

Ichneumonidae (Hymenoptera) of selected regions of southern Poland

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Abstract. The investigation was carried out mainly in forest communities in 1984-1992. A total of 462 species (1910 specimens) of the family *Ichneumonidae* were collected, including 39 species new to the fauna of Poland. New trophic relations between 10 parasitoid species and 13 host species were established.

Key words: *Hymenoptera*, *Ichneumonidae*, parasite, trophic relations, Southern Poland.

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I. INTRODUCTION

The *Ichneumonidae* are one of the largest animal groups. This family includes more species than any other family and even more than the entire subphylum *Vertebrata*. In some parts of the world the *Ichneumonidae* form five to eight percent of all the insect species. As parasites of other insects, they are a major factor in the control of insect populations in gardens, orchards and forests (KAŻMIERCZAK 1973, 1979, 1981, 1982, 1991, 1992; TOWNES 1969).

The objective of this investigation was to determine the species composition of *Ichneumonidae*, to establish trophic relations between parasitoids and hosts, and to distinguish zoogeographical elements.

These investigations were carried out in 1984-1992 in the selected regions of Southern Poland (Fig. 1): the Wodzisław Ridge (Końków, Chroberz), Miechów Upland (Klonów, Kalina Wielka), Wójczańsko-Pińczowski Ridge (Bogucice), Sandomierska Basin (Kostrze, Niepołomice Forest), Lublin Upland (Tuczapy), Pieniny Mountains (Stolarzówka, Kurnikówka, Trzy Korony), the Little Beskids (Andrychów region, nature reserve Madohora), Sądecki Beskid (Krynica region) and Dukla Pass.

The *Ichneumonidae* were collected in the following plant communities: fresh mixed forest (Chroberz, 305 m above sea-level, Klonów, 385 m a.s.l.), upland mixed forest

(Kalina Wielka, 320 m a.s.l., Kołków, 252-269 m a.s.l.), mixed forest (Bogucice, 290 m a.s.l.); in the forests of the Trzy Korony massif: *Carici-Fagetum cephalantheretosum* (550-600 m a.s.l.), *Tilio-Carpinetum* (600-650 m a.s.l.), *Alnetum-incanae* (600-650 m a.s.l.), *Carici-Fagetum abietetosum* (800 m a.s.l.), *Phyllitido-Aceretum* (800-850 m a.s.l.); in selected glades of the Pieniny Mts.: *Anthylli-Trypholietum* (Stolarzówka, 650 m a.s.l.), with dominating *Dactylis glomerata* (Kurnikówka, 680 m a.s.l.), herb-thicket meadow *Veratrum lobelianum-Laserpitium latifolium* (Trzy Korony, 900-970, a.s.l.); upland forest (Andrychów region, 430-500 m a.s.l.), mountain mixed forest (Madohora, 800-929 m a.s.l., Krynica, 600-750 m a.s.l.), mountain alder carr, mountain forest (Krynica region, 500-600 m a.s.l. and 750-950 m a.s.l.) and the Dukla Pass (500 m a.s.l.).

The determination of the insects was made mostly according to the keys edited by CONSTANTINEANU & MUSTATA (1982), MEDVEDEV (1981), OBRTEL & ŠEDIVÝ (1957), TOLKANITZ (1981, 1987) and TOWNES (1969-1971), taking into account the critical comments on the revision of ichneumonids (AUBERT 1987). The hosts are given here mostly after MEDVEDEV (1981), TOLKANITZ (1981, 1987) and TOWNES (1969-1971). The classification and definitions of particular zoogeographical elements are those presented by PAWŁOWSKI (1967) and MEDVEDEV (1981).

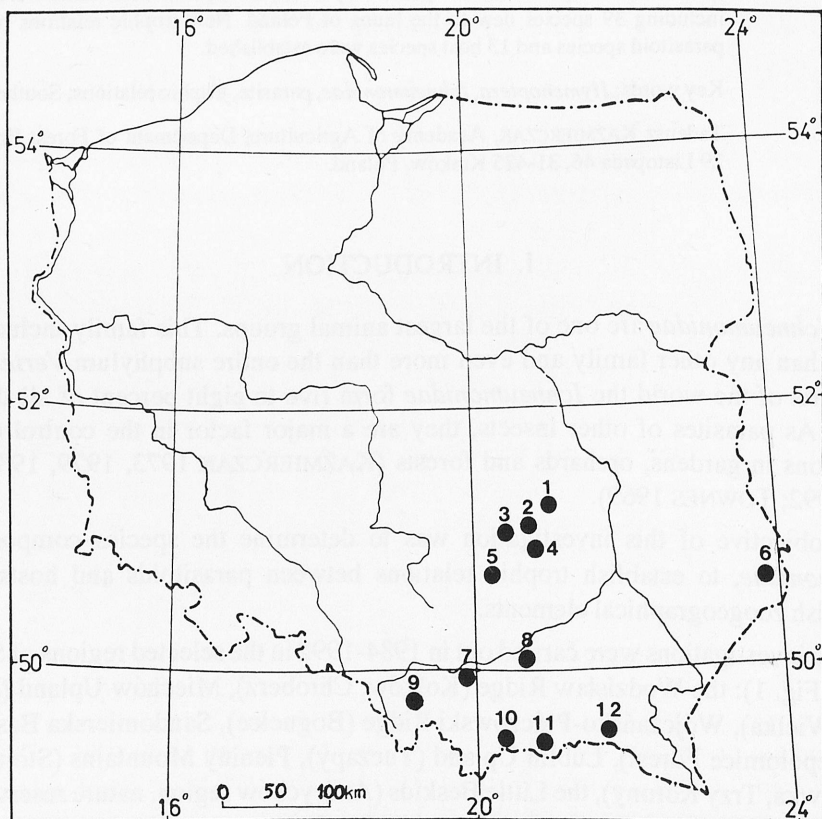


Fig. 1. A map showing the places where ichneumonids dealt with in the present paper were collected. 1 – Kołków, 2 – Chroberz, 3 – Klonów, 4 – Kalina Wielka, 5 – Bogucice, 6 – Kostrze, 7 – Niepołomice Forest, 8 – Tuczapy, 9 – Pieniny Mts., 10 – Beskid Mały Mts., 11 – Beskid Sądecki Mts., 12 – Duklińska Pass.

The method of investigation is given in other publications of KAŻMIERCZAK (1982, 1987, 1989).

Almost the whole material of ichneumonids was collected by the author. Single specimens were caught by A. KOSIOR, D. KUBISZ, M. SKRZYPCZYŃSKA, J. R. STARZYK, P. SZWAŁKO, B. WAGA and M. WITRYLAK, to whom the author wishes to express his cordial thanks.

II. RESULTS

The results of the study are presented in a systematic arrangement. Each species is supplied, in succession, with a serial number, full Latin name, locality (and its height above sea-level), date of collection, plant association: number and sex of specimens taken; these data are repeatedly given for each locality of collection. The host species (and families) as well as the zoogeographical element are given at the end. Species new to the fauna of Poland and new trophic relations between ichneumonids and phytophagous insects (hosts) are marked by "!".

Ephialtinae

1. *Exetastes longiseta* (RATZBURG, 1852). Andrychów (430 m), 22 Jul. 1988, upland forest: 3 ♀♀; Chroberz (305 m), 18 Jun. 1986, fresh mixed forests: 2 ♂♂, 1 ♀. Hosts: *Pissodes validirostris* GYLL. (*Curculionidae*), *Laspeyresia conicolana* HEYL., *Grapholita dorsana* F., *Petrova resinella* L., *Rhyacionia buoliana* DEN. et SCHIFF. (*Tortricidae*). Euro-Siberian element.

2. *Exeristes raborator* (FABRICIUS, 1793), Kołków (255 m), 18 Jul. 1990, upland mixed forest: 1 ♂, 1 ♀; Bogucice (290 m), 10 Aug. 1989, mixed forest: 2 ♀♀; hosts: *Cryptorrhynchus lapathi* L., *Lixus cardui* OL. (*Curculionidae*), *Aegeria formiceformis* ESP., *A. sphecoformis* DEN. et SCHIFF. (*Aegeriidae*), *Petrova resinella* L. (*Tortricidae*), *Exoteleia dodecella* L. (*Gelechiidae*). Subpontomediterranean element.

3. *Scambus dilutus* (RATZBURG, 1852). Chroberz (305 m), 25 May 1986, fresh mixed forest: 2 ♂♂, 1 ♀; Klonów (385 m), 15 Jun. 1990, fresh mixed forest: 3 ♀♀; Madohora (905 m), 8 Aug. 1991, mountain mixed forest: 2 ♂♂; hosts: *Petrova resinella* L. (*Tortricidae*), *Noctuidae*. European element.

4. *Scambus arundinator* (FABRICIUS, 1798). Andrychów (450 m), 12 Jul. 1987, upland forest: 3 ♂♂; Kalina Wielka (320 m), 20 Jun. 1989, upland mixed forest: 2 ♂♂, 1 ♀; Kurnikówka (680 m), 17 Jul. 1987, meadow: 1 ♂, 1 ♀; Trzy Korony (930 m), 18 Jul. 1988, meadow: 1 ♂, 1 ♀; hosts: *Lipara lucens* MG., *Platycephala* sp. (*Chloropidae*). Palaearctic element.

5. *Scambus pomorum* (RATZBURG, 1852). Kurnikówka (680 m), 4 Aug. 1987, meadow: 2 ♂♂, 1 ♀; Trzy Korony (970 m), 31 Jul. 1987, meadow: 1 ♀; Krynica (750 m), 10 Jul. 1984, mountain mixed forest: 1 ♂, 1 ♀; hosts: *Anthonomus pomorum* L., *A. pyri* KOLL. (*Curculionidae*), *Lithocolletis viminetorum* STT. (*Gracillariidae*), *Eutromula pariana* CL. (*Choreutidae*), *Cataplectica profugella* STT. (*Epermeniidae*), *Euura atra* L. (*Tenthredinidae*). European element.

6. *Scambus nigricans* (THOMSON, 1873). Kurnikówka (680 m), 30 Jul. 1988, meadow: 2 ♂, 2 ♀; Trzy Korony (930 m), 16 Jul. 1987, meadow: 2 ♀; Madohora (929 m), 9 Aug. 1991, mountain mixed forest: 1 ♂; Krynica (750 m), 12 Jul. 1984, mountain mixed forest: 2 ♀; hosts: *Grapholita discretana* WOCKE (Tortricidae), *Depressaria pastinacella* DUP. (Oecophoridae), *Dioryctria abietella* DEN. et SCHIFF. (Phycitidae), *Lycia pomorianus* HB. (Geometridae), *Lipara lucens* MG. (Chloropidae). Euro-Caucasian element.

7. *Scambus detritus* (HOLMGREN, 1889), Kurnikówka (680 m), 29 Jul. 1988, meadow: 1 ♂, 1 ♀; Trzy Korony (970 m), 20 Jul. 1989, meadow: 1 ♀; Chroberz (305 m), 14 Jul. 1988, fresh mixed forest: 2 ♀; Krynica (950 m), 6 Jul. 1985, mountain forest: 1 ♂; hosts: *Aegeria formicaeformis* ESP. (Aegeriidae), *Ryacionia buoliana* DEN. et SCHIFF., *Eupoecilia ambiguella* HB. (Tortricidae), *Lipara lucens* MG. (Chloropidae), *Andricus lignicola* HTG. (Cynipidae). Euro-Siberian element.

8. *Scambus signatus* (PFEFFER, 1913). Kurnikówka (680 m), 16 Jul. 1987, meadow: 2 ♂, 3 ♀; Trzy Korony (950 m), 24 Aug. 1990, meadow: 2 ♀; Bogucice (290 m), 16 Jul. 1989, mixed forest: 1 ♂, 1 ♀; hosts: *Cataplectica fulvigutella* Z. (Epermeniidae), *Neodiprion sertifer* GEOFFR. (Diprionidae). Euro-Caucasian element.

9. *Scambus brevicornis* (GRAVENHORST, 1829). Kurnikówka (680 m), 10 Aug. 1989, meadow: 3 ♀; Andrychów (500 m), 18 Jul. 1987, upland forest: 1 ♀; Kalina Wielka (320 m) 8 Jul. 1990, upland mixed forest: 1 ♂, 1 ♀; hosts: *Anthonus pomorum* L. (Curculionidae), *Plutella maculipennis* CURT. (Plutellidae), *Choristoneura murinana* HB., *Dioryctria abietella* DEN. et SCHIFF. (Phycitidae). Holarctic element.

10. *Scambus annulatus* KISS, 1924). Kurnikówka (680 m), 22 Jul. 1987, meadow: 1 ♂, 1 ♀; Kołków (269 m), 12 Jul. 1990, upland mixed forest: 2 ♀; Chroberz (305 m), 8 Jul. 1988, fresh mixed forest: 1 ♂; hosts: *Curculio glandium* MARSH., *C. nucum* L. (Curculionidae), *Andricus lignicola* HTG. (Cynipidae), *Laspeyresia strobilella* L., *Tortrix viridana* L. (Tortricidae). Holarctic element.

11. *Ephialtes manifestator* (LINNAEUS, 1758). Klonów (385 m), 9 Jul. 1990, fresh mixed forest: 3 ♂, 2 ♀; Chroberz (305 m), 2 Aug. 1986, fresh mixed forest: 1 ♀; Krynica (750 m), 12 Jul. 1984, mountain mixed forest: 1 ♂, 2 ♀; hosts: *Phymatodes testaceus* L., *Pogonocherus fasciculatus* DEG. (Cerambycidae), *Aegeria cepiformis* OCHS. (Aegeriidae). Palaearctic element.

12. *Ephialtes spatulatus* TOWNES, 1960. Kurnikówka (680 m), 25 Jul. 1987, meadow: 1 ♂, 1 ♀; Andrychów (500 m), 5 Jul. 1988, upland forest: 2 ♂, 1 ♀; Madohora (850 m), 16 Aug. 1992, mountain mixed forest: 1 ♂; hosts: *Buprestidae*, *Rhynchium* sp. (Eumenidae). Holarctic element.

13. *Ephialtes brevis* (MORLEY, 1909). Trzy Korony (900 m), 16 Jul. 1987, meadow: 1 ♀; Krynica (750 m), 12 Jul. 1986, mountain forest: 1 ♀; J. STARZYK leg. Madohora (829 m), 18 Aug. 1992, mountain mixed forest: 1 ♀; hosts: *Pieridae*. Palaearctic element.

14. *Townesia tenuiventris* (HOLMGREN, 1859). Kurnikówka (680 m), 25 Jul. 1991, meadow: 1 ♂, 1 ♀; Kalina Wielka (320 m), 2 Aug. 1990, upland mixed forest: 2 ♀; Klonów (385 m), 10 Jul. 1989, fresh mixed forest: 1 ♀; hosts: *Phymatodes testaceus* L., *Pogonocherus* sp., *Saperda populnea* L. (Cerambycidae), *Petrova resinella* L. (Tortricidae), *Xiphydria camelus* L. (Xiphydriidae), *Strongylogaster lineata* CHRIST. (Tenthredinidae). Holarctic element.

15. *Dolichomitus brevicornis* (TSCHEK, 1868). Andrychów (500 m), 9 Jun. 1988, upland forest: 2 ♂♂, 1 ♀; Chroberz (305 m), 10 Jul. 1987, fresh mixed forest: 2 ♀♀; Trzy Korony (650 m), 6 Jul. 1991, *Tilio-Carpinetum*: 2 ♀♀; hosts: xylophagous insects. Holarctic element.

16. *Dolichomitus pterelas* (SEYRING, 1927). Bogucice (290 m), 12 Jun. 1989, mixed forest: 2 ♀♀; Chroberz (305 m), 10 Jul. 1986; fresh mixed forest: 1 ♀; Madohora (800 m), 12 Jul. 1992, mountain mixed forest: 1 ♀; hosts: ! *Saperda scalaris* L., ! *Monochamus sartor* F. (*Cerambycidae*). Holarctic element.

17. *Dolichomitus cephalotes* (HOLMGREN, 1859). Kołków (269 m), 3 Jul. 1989, upland mixed forest: 3 ♀♀; Kalina Wielka (320 m), 11 Jun. 1986, upland mixed forest: 1 ♂; P. SZWAŁKO leg.; hosts: xylophagous insects. Holarctic element.

18. *Dolichomitus sericeus* (HARTIG, 1840). Andrychów (500 m), 5 Jul. 1986, upland forest: 2 ♀♀; Chroberz (305 m), 10 Jul. 1986, fresh mixed forest: 1 ♂, 1 ♀; Krynica (750 m), 25 Jul. 1991, mountain forest: 2 ♀♀; hosts: xylophagous insects. Holarctic element.

19. *Dolichomitus tuberculatus* (GEOFFROY, 1762). Kalina Wielka (320 m), 2 Jul. 1989, upland mixed forest: 1 ♂, 1 ♀; Klonów (385 m), 14 Aug. 1986, fresh mixed forest: 2 ♀♀; Krynica (650 m), 29 Jul. 1992, mountain mixed forest: 2 ♀♀; hosts: xylophagous insects. Holarctic element.

20. *Dolichomitus crassiceps* (THOMSON, 1877). Bogucice (290 m), 12 Jun. 1989, mixed forest: 2 ♀♀; Klonów (385 m), 14 Jul. 1987, fresh mixed forest: 1 ♂, 1 ♀; host: ! *Saperda scalaris* L. (*Cerambycidae*). European element.

21. *Dolichomitus imperator* (KRIECHBAUMER, 1888). Andrychów (500 m), 4 Aug. 1986, upland forest: 2 ♀♀; Chroberz (305 m), 10 Jul. 1986, fresh mixed forest: 3 ♂♂, 1 ♀; host: ! *Phymatodes testaceus* L. (*Cerambycidae*). Holarctic element.

22. ! *Dolichomitus mordator* AUBERT, 1964. Kalina Wielka (320 m), 11 Jun. 1986, upland mixed forest: 2 ♂♂, 1 ♀; Bogucice (290 m), 2 Jul. 1989, mixed forest: 2 ♀♀; Madohora (900 m), 16 Jul. 1992, mountain mixed forest: 1 ♂; 2 ♀♀; hosts: *Hesperophanes pallidus* OL. (*Cerambycidae*), *Poecilnota variolosa* PAYK. (*Buprestidae*), *Xiphydria camelus* L. (*Xiphydriidae*). Palaearctic element.

23. *Acropimpla pictipes* (GRAVENHORST, 1829). Kurnikówka (680 m), 2 Aug. 1992, meadow: 1 ♂; 2 ♀♀; Trzy Korony (900 m), 10 Aug. 1991, meadow: 1 ♀; hosts: *Gelechiidae*, *Geometridae*. Euro-Caucasian element.

24. *Acropimpla didyma* (GRAVENHORST, 1829). Andrychów (430 m), 5 Jun. 1986, upland forest: 2 ♂♂, 1 ♀; Bogucice (290 m), 11 Jul. 1988, mixed forest: 2 ♀♀; Kurnikówka (680 m), 3 Jul. 1991, meadow: 1 ♀; Pieniny (650 m), 10 Jul. 1992, *Tilio-Carpinetum*: 3 ♀♀; hosts: *Noctuidae*. Palaearctic element.

25. *Iseropus stercorator* (FABRICIUS, 1804). Chroberz (305 m), 13 Jul. 1987, fresh mixed forest: 1 ♀; Stolarzówka (650 m), 2 Aug. 1990, meadow: 4 ♂♂, 3 ♀♀; Trzy Korony (950 m), 18 Jul. 1991, meadow: 1 ♂, 1 ♀; hosts: *Zygaenidae*, *Pyraustidae*. Euro-Siberian element.

26. *Tromatobia variabilis* HOLMGREN, 1854. Kalina Wielka (320 m), 11 Jun. 1986, upland mixed forest: 2 ♂♂, 1 ♀; Stolarzówka (650 m), 21 Jul. 1990, meadow: 1 ♀; Madohora (900 m), 5 Aug. 1992, mountain mixed forest: 2 ♀♀; hosts: *Araneidae*. Holarctic element.

27. *Tromatobia oculatoria* (FABRICIUS, 1798). Bogucice (290 m), 10 Jul. 1991, mixed forest: 2 ♂♂, 1 ♀; Stolarzówka (650 m), 30 Jul. 1990, meadow: 1 ♀; Kurnikówka (680 m), 2 Jul. 1992, meadow: 1 ♂, 1 ♀; hosts: *Araneidae*, *Thomisidae*. Montane element.

28. *Tromatobia ornata* (GRAVENHORST, 1829). Klonów (385 m), 9 Jul. 1991, fresh mixed forest: 2 ♀♀; Andrychów (430 m), 3 Jun. 1990, upland forest: 1 ♀; Stolarzówka (650 m), 19 Jul. 1990, meadow: 1 ♂; Kurnikówka (680 m), 16 Jul. 1991, meadow: 1 ♂, 1 ♀; Trzy Korony (900 m), 8 Jul. 1992, meadow: 2 ♂♂, 3 ♀♀; hosts: *Araneidae*. Palearctic element.

29. *Tromatobia ovivora* (BOHEMAN, 1821). Kalina Wielka (320 m), 5 Jul. 1990, upland mixed forest: 1 ♀; Kurnikówka (680 m), 18 Jul. 1991, meadow: 1 ♀; hosts: *Theridiidae*. Palearctic element.

30. *Zatypota albicoxa* (WALKER, 1954). Andrychów (500 m), 21 Jun. 1990, upland forest: 3 ♀♀; Trzy Korony (970 m), 24 Jul. 1990, meadow: 2 ♀♀; Madohora (900 m), 2 Aug. 1992, mountain mixed forest: 2 ♀♀; hosts: *Theridiidae*, *Agelenidae*. Euro-Siberian element.

31. *Itopectis melanocephala* (GRAVENHORST, 1829). Kalina Wielka (320 m), 29 Jun. 1990, upland mixed forest: 2 ♀♀; Bogucice (290 m), 18 Jul. 1990, mixed forest: 1 ♂; Stolarzówka (650 m), 20 Jul. 1992, meadow: 3 ♂♂, 1 ♀; Kurnikówka (680 m), 5 Aug. 1990, meadow: 1 ♂, 1 ♀; hosts: *Crambidae*, *Pyraustidae*, *Noctuidae*. Palearctic element.

32. *Itopectis viduata* (GRAVENHORST, 1829). Stolarzówka (650 m), 17 Jul. 1991, meadow: 22 ♂♂, 8 ♀♀; Kurnikówka (680 m), 25 Jul. 1990, meadow: 2 ♀♀; Trzy Korony (950 m), meadow: 1 ♂, 2 ♀♀; Madohora (929 m), 5 Aug. 1992, mountain mixed forest: 3 ♂♂; hosts: *Noctuidae*, *Zygaenidae*, *Psychidae*, *Totricidae*, *Lymantriidae*. Holarctic element.

33. *Itopectis tunetana* (SCHMIEDEKNECHT, 1900). Klonów (385 m), 20 Jul. 1990, fresh mixed forest: 3 ♀♀; Stolarzówka (650 m), 31 Aug. 1990, meadow: 1 ♂, 1 ♀; Kurnikówka (680 m), 20 Jul. 1992, meadow: 1 ♀; Trzy Korony (970 m), 5 Aug. 1991, meadow: 4 ♂♂, 4 ♀♀; hosts: *Totricidae*, *Yponomeutidae*, *Coleophoridae*, *Syrphidae*. Palearctic element.

34. *Itopectis maculator* (FABRICIUS, 1804). Kalina Wielka (320 m), 16 Jun. 1989, upland mixed forest: 2 ♂♂; Stolarzówka (650 m), 10 Aug. 1991, meadow: 1 ♂; Trzy Korony (900 m), 23 Jul. 1990, meadow: 2 ♂♂, 3 ♀♀; hosts: *Tortrix viridana* L. (*Totricidae*). Euro-Caucasian element.

35. *Itopectis curticauda* KRIECHBAUMER, 1872. Stolarzówka (650 m), 29 Jul. 1991, meadow: 2 ♂♂, 4 ♀♀; Trzy Korony (970 m), 22 Jul. 1991, meadow: 3 ♂♂, 4 ♀♀; Krynica (900 m), 12 Jul. 1984, mountain forest: 2 ♀♀; hosts: *Lithocolletis populifoliella* TR. (*Gracillariidae*), *Zygaena filipendulae* L. (*Zygaenidae*), *Scrobipalpa saudella* R. (*Gelechiidae*). Euro-Caucasian element.

36. *Apechtis capulifera* (KRIECHBAUMER, 1872). Stolarzówka (650 m), 23 Jul. 1991, meadow: 1 ♂, 2 ♀♀; Kurnikówka (680 m), 17 Jul. 1990, meadow: 3 ♂♂; Trzy Korony (600 m), 3 Aug. 1992, *Carici-Fagetum cephalantheretosum*: 2 ♀♀; hosts: *Pieridae*, *Tineidae*, *Totricidae*, *Phycitidae*, *Geometridae*, *Drepanidae*, *Arctiidae*, *Diprionidae*. Palearctic element.

37. *Apechthis rufata* (GMELIN, 1829). Stolarzówka (650 m), 21 Jul. 1991, meadow: 1 ♂, 2 ♀; Kurnikówka (680 m), 22 Jul. 1991, meadow: 1 ♂, 2 ♀; Krynica (600 m), 10 Jul. 1992, mountain alder carr: 2 ♀; hosts: *Psychidae*, *Totricidae*, *Geometridae*, *Arctiidae*, *Diprionidae*. Euro-Caucasian element.

38. *Apechthis compunctor* (LINNAEUS, 1758). Kurnikówka (680 m), 16 Jul. 1992, meadow: 1 ♂, 1 ♀; Madohora (850 m), 2 Aug. 1992, mountain mixed forest: 2 ♂♂; hosts: *Totricidae*, *Lasiocampidae*, *Lymantriidae*, *Pieridae*, *Pamphilidae*, *Diprionidae*. Euro-Caucasian element.

39. *Apechthis quadridentata* (THOMSON, 1873). Kurnikówka (680 m), 30 Jul. 1990, 1 ♂, 1 ♀; Trzy Korony (650 m), 2 Aug. 1992, *Alnetum incanae*: 2 ♀; hosts: *Totricidae*, *Phycitidae*, *Geometridae*, *Drepanidae*, *Lasiocampidae*, *Pamphiliidae*, *Diprionidae*. Palearctic element.

40. *Pimpla instigator* (FABRICIUS, 1798). Andrychów (460 m), 24 Jun. 1991, upland forest: 3 ♀; Stolarzówka (650 m), 3 Aug. 1992, meadow: 6 ♂♂, 20 ♀; Kurnikówka (680 m), 7 Jul. 1990, meadow: 1 ♂, 1 ♀; Chroberz (305 m), 8 Jul. 1988, fresh mixed forest: 5 ♀; hosts: *Pieridae*, *Lasiocampidae*, *Arctiidae*, *Cimbicidae*. Palearctic element.

41. *Pimpla illecebrator* (VILLERS, 1789). Stolarzówka (650 m), 3 Aug. 1992, meadow: 1 ♀; Klonów (385 m), 7 Jul. 1987, fresh mixed forest: 1 ♀; hosts: *Sphingidae*, *Notodontidae*, *Noctuidae*. Euro-Caucasian element.

42. *Pimpla melanacrias* PERKINS, 1958. Kołków (270 m), 29 Jun. 1991, upland mixed forest: 3 ♀; Stolarzówka (650 m), 10 Aug. 1992, meadow: 2 ♂♂, 1 ♀; Kurnikówka (680 m), 2 Jul. 1991, meadow: 1 ♀; hosts: *Totricidae*. Palearctic element.

43. *Pimpla contemplator* (MÜLLER, 1766). Chroberz (305 m), 13 Jul. 1987, fresh mixed forest: 2 ♀; Kurnikówka (680 m), 4 Aug. 1992, meadow: 1 ♂, 2 ♀; hosts: *Totricidae*. Euro-Caucasian element.

44. *Perithous septemcinctorius* (THUNBERG, 1824). Kurnikówka (680 m), 9 Aug. 1991, meadow: 1 ♀; Krynica (670 m), 12 Jul. 1984, mountain mixed forest: 2 ♀; hosts: *Pemphredon lugubris* LATR., *P. clypealis* THOMS., *Psenulus pallipes* PANZ. (Sphecidae). Palearctic element.

45. *Perithous mediator* (FABRICIUS, 1804). Kurnikówka (680 m), 10 Aug. 1992, meadow: 1 ♀; Madohora (900 m), 2 Jul. 1992, mountain mixed forest: 2 ♀; hosts: *Eumenidae*, *Megachilidae*. Mountain element.

46. *Perithous divinator* (ROSSI, 1859). Kalina Wielka (320 m), 5 Jul. 1990, upland mixed forest: 1 ♂, 2 ♀; Kurnikówka (680 m), 5 Aug. 1992, meadow: 1 ♂, 1 ♀; Krynica (750 m), 11 Jul. 1984, mountain mixed forest: 2 ♂♂, 3 ♀; hosts: *Chrysididae*, *Eumenidae*, *Sphecidae*. Holarctic element.

47. *Delomerista novita* CRESSON, 1873. Klonów (385 m), 9 Jul. 1989, fresh mixed forest: 3 ♀; Kurnikówka (680 m), 12 Jul. 1991, meadow: 2 ♂♂, 1 ♀; hosts: *Curculionidae*, *Phycitidae*. Holarctic element.

48. *Delomerista mandibularis* (GRAVENHORST, 1829). Stolarzówka (650 m), 14 Jul. 1991, meadow: 2 ♂♂; Krynica (600 m), 15 Jul. 1984, mountain alder carr: 1 ♂, 2 ♀; hosts: *Tenthredinidae*, *Lasiocampidae*, *Braconidae*. Boreal-montane element.

49. ! *Delomerista laevis* (GRAVENHORST, 1829). Kurnikówka (680 m), 25 Jul. 1992, meadow: 2 ♂♂, 1 ♀; hosts: *Tenthredinidae*. Boreal-montane element.

50. *Neoxorides nitens* GRAVENHORST, 1829. Chroberz (305 m), 17 Jul. 1990, fresh mixed forest: 3 ♀♀; hosts: *Cerambycidae*, *Curculionidae*, *Xiphydriidae*. European element.

51. *Rhyssa persuasoria* (LINNAEUS, 1758). Andrychów (500 m), 16 Jun. 1989, upland forest: 6 ♂♂, 8 ♀♀; Chroberz (305 m), 10 Jul. 1990, fresh mixed forest: 4 ♂♂, 6 ♀♀; Bogucice (290 m), 14 Jun. 1989, mixed forest: 1 ♂, 3 ♀♀; Kalina Wielka (320 m), 18 Jul. 1988, upland mixed forest: 3 ♂♂, 5 ♀♀; Krynica (850 m), 12 Jun. 1985, mountain forest: 4 ♂♂, 7 ♀♀; Madohora (815 m) 8 Jul. 1990, mountain mixed forest: 2 ♂♂, 3 ♀♀; hosts: *Sirex juvencus* L., *S. noctilio* F., *Urocerus augur* KL., *U. gigas* L., *Xeris spectrum* L. (*Siricidae*), *Cerambycidae*. Holarctic element.

52. *Rhyssa amoena* GRAVENHORST, 1829. Andrychów (500 m), 20 Jul. 1990, upland forest: 2 ♂♂, 6 ♀♀; Krynica (650 m), 9 Jul. 1985, mountain mixed forest: 5 ♂♂, 5 ♀♀; Trzy Korony (900 m), 4 Aug. 1992, *Carici-Fagetum abietetosum*: 1 ♂, 3 ♀♀; Kołków (269 m), 10 Jun. 1988, upland mixed forest: 2 ♂♂, 3 ♀♀; Bogucice (290 m), 14 Jun. 1989, mixed forest: 4 ♂♂, 2 ♀♀; hosts: *Sirex juvencus* L., *S. noctilio* F., *Urocerus gigas* L., *U. augur* KL., *Xeris spectrum* L. (*Siricidae*), *Cerambycidae*. Palearctic element.

53. *Rhyssella approximator* (FABRICIUS, 1793). Kalina Wielka (320 m), 8 Jul. 1990, upland mixed forest: 1 ♀; Klonów (385 m), 4 Jun. 1989, fresh mixed forest: 1 ♂, 1 ♀; Krynica (550 m), 13 Jul. 1986, mountain alder carr: 3 ♀♀; hosts: *Xiphydria camelus* L., *X. picta* KNW., *X. prolongata* GEOFFR. (*Xiphydriidae*). Palearctic element.

54. *Megarhyssa emarginatoria* (THUNBERG, 1827). Andrychów (500 m), 3 Jul. 1990, upland forest: 2 ♂♂, 3 ♀♀; Chroberz (305 m), 9 Jul. 1987, fresh mixed forest: 2 ♀♀; Krynica (750 m), 7 Jul. 1992, mountain forest: 2 ♀♀; Madohora (850 m), 17 Jul. 1991, mountain mixed forest: 2 ♂♂; hosts: *Sirex juvencus* L., *S. noctilio* F., *Urocerus gigas* L., *U. augur* KL., (*Siricidae*). Subpontic element.

55. *Megarhyssa gigas* (LAXMANN, 1770). Kołków (250 m), 2 Jul. 1990, fresh mixed forest: 1 ♀; hosts: *Tremex fuscicornis* F., *T. magus* F. (*Siricidae*). Palearctic element.

Tryphoninae

56. *Phytodietus geniculatus* THOMSON, 1873. Klonów (385 m), 2 Jul. 1987, fresh mixed forest: 2 ♀♀; hosts: *Ptycholomoides aeriferanus* H.-S., *Lobesia botrana* DEN. et SCHIFF. (*Tortricidae*). Euro-Siberian element.

57. *Netelia virgata* (FOURCROY, 1785). Andrychów (480 m), 9 Aug. 1990, upland forest: 1 ♀; hosts: *Cerura furcula* CL. (*Notodontidae*), *Noctua pronuba* L. (*Noctuidae*). Palearctic element.

58. ! *Netelia tarsata* (BRISCHKE, 1880). Chroberz (305 m), 12 Jul. 1989, fresh mixed forest: 2 ♀♀; Krynica (600 m), 5 Jul. 1984, mountain mixed forest: 2 ♀♀; hosts: *Eupithecia absyntiata* CL., *E. abbreviata* STEPH., *E. lariciata* F. (*Geometridae*), *Drepana cultraria* F. (*Drepanidae*). Holarctic element.

59. ! *Netelia caucasica* KOKUJEV, 1899. Klonów (380 m), 2 Jul. 1987, fresh mixed forest: 2 ♂♂, 1 ♀; Chroberz (305 m), 3 Jul. 1987, fresh mixed forest: 2 ♀♀; hosts: *Geometridae*. Euro-Siberian element.

60. *Eclytus exornatus* GRAVENHORST, 1829. Bogucice (290 m), 22 Jun. 1986, mixed forest: 1 ♀; Kalina Wielka (320 m), 21 Jul. 1986, upland mixed forest: 1 ♂, 1 ♀; hosts: *Pristiphora erichsoni* HTG., *P. abietina* CHRIST. (*Tenthredinidae*). Euro-Siberian element.
61. *Cosmoconus nigriventris* KASPARYAN, 1981. Stolarzówka (650 m), 18 Jul. 1992, meadow: 1 ♂; Kurnikówka (680 m), 17 Jul. 1990, meadow: 8 ♂♂, 1 ♀; hosts: *Tenthredinidae*. Euro-Siberian element.
62. *Cosmoconus elengator* (FABRICIUS, 1775). Stolarzówka (650 m), 2 Aug. 1990, meadow: 20 ♂♂, 4 ♀♀; Trzy Korony (970 m), 19 Jul. 1991, meadow: 1 ♀; hosts: *Tenthredinidae*. Euro-Caucasian element.
63. *Cosmoconus meridionator* AUBERT, 1980. Stolarzówka (650 m), 3 Aug. 1990, meadow: 2 ♀♀; Trzy Korony (950 m), 29 Jul. 1991, meadow: 1 ♀; Krynica (950 m), 18 Aug. 1984, mountain forest: 2 ♂♂, 1 ♀; hosts: *Rhogogaster*, *Tenthredo*. Euro-Siberian element.
64. *Cosmoconus ceratophorus* (THOMSON, 1888). Kurnikówka (680 m), 5 Aug. 1991, meadow: 9 ♂♂, 4 ♀♀; Trzy Korony (600 m), 3 Jul. 1992, *Carici-Fagetum cephalantheretosum*: 3 ♂♂, 2 ♀♀; hosts: *Tenthredinidae*. Palaearctic element.
65. *Cosmoconus hinzi* KASPARYAN, 1981. Trzy Korony (960 m), 17 Jul. 1991, meadow: 2 ♀♀; hosts: *Tenthredinidae*. European element.
66. *Tryphon atriceps* (STEPHENS, 1835). Stolarzówka (650 m), 12 Jul. 1991, meadow: 3 ♂♂, 1 ♀; Krynica (950 m), 12 Jul. 1985, mountain forest: 1 ♂, 1 ♀; D. KUBISZ leg. hosts: *Tenthredinidae*. Euro-Caucasian element.
67. *Tryphon auricularis* THOMSON, 1883. Stolarzówka (650 m), 10 Jul. 1991, meadow: 1 ♂, 2 ♀♀; Trzy Korony (800 m), 2 Jul. 1992, *Phyllitido-Aceretum*: 1 ♀; hosts: *Tenthredinidae*. Montane element.
68. *Tryphon nigripes* HOLMGREN, 1855. Stolarzówka (650 m), 5 Aug. 1992, meadow: 3 ♂♂, 2 ♀♀; hosts: *Dolerus* sp. (*Tenthredinidae*). European element.
69. *Tryphon signator* GRAVENHORST, 1829. Stolarzówka (650 m), 9 Jul. 1991, meadow: 2 ♂♂, 3 ♀♀; A. KOSIOR leg. Krynica (750 m), 14 Jul. 1984, mountain forest: 10 ♂♂, 2 ♀♀; host: *Dolerus* sp. (*Tenthredinidae*). Euro-Siberian element.
70. *Tryphon relator* (THUNBERG, 1827). Andrychów (500 m), 2 Jun. 1990, upland forest: 4 ♂♂, 3 ♀♀; Kurnikówka (680 m), 7 Jul. 1991, meadow: 1 ♀; Trzy Korony (800 m), 2 Aug. 1992, *Carici-Fagetum abietetosum*: 1 ♂, 1 ♀; host: *Loderus* sp. (*Tenthredinidae*). European element.
71. *Tryphon abditus* KASPARYAN, 1981. Stolarzówka (650 m), 8 Jul. 1991, meadow: 1 ♂, 2 ♀♀; hosts: *Tenthredinidae*. Euro-Siberian element.
72. *Tryphon trochanteratus* HOLMGREN, 1855. Trzy Korony (970 m), 4 Jul. 1992, meadow: 1 ♂, 1 ♀; Krynica (750 m), 15 Jul. 1984, mountain forest: 2 ♀♀; Madohora (900 m), 10 Aug. 1991, mountain mixed forest: 1 ♀; hosts: *Tenthredinidae*. Euro-Caucasian element.
73. *Tryphon rutilator* (LINNAEUS, 1758). Stolarzówka (650 m), 12 Jul. 1991, meadow: 1 ♂, 1 ♀; hosts: *Tenthredinidae*. Euro-Asiatic element.
74. *Tryphon bidentulus* THOMSON, 1883. Kurnikówka (680 m), 3 Aug. 1992, meadow: 1 ♀; Krynica (750 m), 18 Jun. 1985, mountain forest: 1 ♀; hosts: *Tenthredinidae*. Euro-Siberian element.

75. *Tryphon heliophilus* GRAVENHORST, 1829. Kurnikówka (680 m), 9 Aug. 1991, meadow: 1 ♀; Trzy Korony (950 m), 25 Jun. 1991, meadow: 2 ♀♀; hosts: *Tenthredinidae*. Euro-Siberian element.

76. *Polyblastus tener* HABERMEHL, 1922. Andrychów (500 m), 9 Aug. 1989, upland forest: 1 ♀; Kurnikówka (680 m), 10 Aug. 1991, meadow: 1 ♀; Krynica (750 m), 29 Jun. 1986, mountain forest: 1 ♀; hosts: *Tenthredinidae*. European element.

77. *Polyblastus varitarsus* (GRAVENHORST, 1829). Kurnikówka (680 m), 20 Jul. 1991, meadow 1 ♀; Madohora (850 m), 2 Aug. 1992, mountain mixed forest: 2 ♀♀; hosts: *Tenthredinidae*. Holarctic element.

78. *Polyblastus palaemon* (SCHIØDTE, 1838). Kurnikówka (680 m), 18 Jul. 1991, meadow: 2 ♀♀; hosts: *Tenthredinidae*. Holarctic element.

79. *Ctenochira propinqua* (GRAVENHORST, 1829). Klonów (385 m), 2 Jul. 1987, fresh mixed forest: 1 ♂, 1 ♀; Kurnikówka (680 m), 20 Jul. 1991, meadow 1 ♂, 1 ♀; Trzy Korony (600 m), 2 Aug. 1992, *Tilio-Carpinetum*: 2 ♂♂, 1 ♀; hosts: *Nematinae*. Palaearctic element.

80. *Ctenochira pectinata* BAUER, 1958. Kurnikówka (680 m), 2 Aug. 1992, meadow: 1 ♀; hosts: *Heterarthrinae*. Euro-Siberian element.

81. *Ctenochira marginata* (HOLMGREN, 1855). Chroberz (305 m), 9 Jul. 1991, fresh mixed forest: 2 ♀♀; Trzy Korony (970 m), 17 Jul. 1991, meadow: 1 ♀; hosts: *Heterarthrinae*. Euro-Caucasian element.

82. *Ctenochira pratensis* (GRAVENHORST, 1829). Trzy Korony (970 m), 29 Jul. 1991, meadow: 2 ♂♂, 1 ♀; Krynica (750 m), 29 Jun. 1984, mountain forest: 2 ♀♀; hosts: *Heterarthrinae*. Euro-Caucasian element.

83. ! *Ctenochira taiga* KASPARYAN, 1972. Kalina Wielka (320 m), 18 Jul. 1991, upland mixed forest: 2 ♀♀; hosts: *Anoplonyx destructor* BENSON, *A. pectoralis* LIP., *Pristiphora laricis* HTG. *Heterarthrinae*. Euro-Siberian element.

84. ! *Erromenus bibulus* KASPARYAN, 1981. Bogucice (290 m), 14 Jun. 1990, fresh mixed forest: 1 ♂, 2 ♀♀; hosts: *Tenthredinidae*. Holarctic element.

85. *Eridolius alacer* GRAVENHORST, 1829. Kurnikówka (680 m), 12 Aug. 1992, meadow: 1 ♀; Stolarzówka (650 m), 21 Jul. 1991, meadow: 1 ♀; hosts: *Tenthredinidae*. Holarctic element.

86. *Eridolius dorsator* THUNBERG, 1827. Klonów (385 m), 3 Jul. 1990, fresh mixed forest: 1 ♀; Stolarzówka (650 m), 12 Aug. 1991, meadow: 2 ♂♂, 3 ♀♀; Krynica (750 m), 27 Jun. 1985, mountain forest: 2 ♀♀; hosts: *Tenthredinidae*. Holarctic element.

87. *Eridolius deletus* THOMSON, 1883. Stolarzówka (650 m), 17 Jul. 1992, 2 ♂♂, 3 ♀♀; Madohora (800 m), 12 Aug. 1992, mountain mixed forest: 2 ♀♀; hosts: *Tenthredinidae*. Holarctic element.

88. *Eridolius mitigiosus* GRAVENHORST, 1829. Stolarzówka (650 m), 10 Aug. 1992, meadow: 1 ♂, 1 ♀; Krynica (750 m), 23 Aug. 1986, mountain forest: 1 ♀; hosts: *Tenthredinidae*. Holarctic element.

89. *Eridolius punctipes* THOMSON, 1883. Stolarzówka (650 m), 12 Aug. 1991, meadow: 1 ♂, 3 ♀♀; Trzy Korony (650 m), 3 Aug. 1992, *Alnetum incanae*: 1 ♀; hosts: *Tenthredinidae*. Holarctic element.

90. *Eridolius pygmaeus* HOLMGREN, 1855. Stolarzówka (650 m), 9 Aug. 1992, meadow: 2 ♂♂, 1 ♀; Krynica (900 m), 26 Jul. 1987, mountain forest: 1 ♀; hosts: *Tenthredinidae*. Holarctic element.

91. *Eridolius bimaculatus* HOLMGREN, 1855. Kurnikówka (680 m), 5 Aug. 1992, meadow: 3 ♂♂, 2 ♀♀; Madohora (900 m), 15 Jul. 1992, mountain mixed forest: 1 ♂; hosts: *Tenthredinidae*. Holarctic element.

92. *Eridolius pumilio* HOLMGREN, 1855. Kurnikówka (680 m), 21 Jul. 1991, meadow: 4 ♂♂, 1 ♀; Madohora (800 m), 2 Aug. 1992, mountain mixed forest: 2 ♂♂; hosts: *Tenthredinidae*. Holarctic element.

93. *Eridolius brevigena* THOMSON, 1883. Trzy Korony (970 m), 12 Aug. 1991, meadow: 1 ♀; Krynica (950 m), 27 Jun. 1984, mountain mixed forest: 2 ♀♀; hosts: *Tenthredinidae*. Holarctic element.

94. *Eridolius pullus* HOLMGREN, 1855. Trzy Korony (960 m), 10 Aug. 1991, meadow: 1 ♂, 1 ♀; hosts: *Tenthredinidae*. Holarctic element.

95. *Kristotomus laetus* (GRAVENHORST, 1829). Trzy Korony (960 m), 11 Aug. 1992, meadow: ♀ ♂♂, 3 ♀♀; Krynica (800 m), 27 Jun. 1984, mountain mixed forest: 2 ♂♂, 1 ♀; hosts: *Tenthredinidae*. Holarctic element.

Eucerotinae

96. *Euceros serricornis* (HALIDAY, 1838). Stolarzówka (650 m), 28 Jul. 1991, meadow: 1 ♂, 2 ♀♀; Kurnikówka (680 m), 10 Aug. 1991, meadow: 2 ♀♀; Krynica (750 m), 26 Jun. 1984, mountain forest: 2 ♀♀; hosts: *Tenthredinidae*. Euro-Caucasian element.

97. *Euceros superbus* KRIECHBAUMER, 1901. Kurnikówka (680 m), 10 Aug. 1991, meadow: 1 ♀; Madohora (900 m), 3 Aug. 1992, mountain mixed forest: 2 ♀♀; hosts: *Tenthredinidae*. Euro-Caucasian element.

Labeninae

98. *Brachycyrtus ornatus* KRIECHBAUMER, 1872. Kurnikówka (680 m), 19 Jul. 1991, meadow: 1 ♀; Krynica (750 m), 28 Jun. 1984, mountain forest: 2 ♀♀; hosts: *Chrysopidae*. European element.

Xoridinae

99. *Ischnoceros rusticus* (GEOFFROY, 1762). Chroberz (305 m), 2 Jun. 1990, fresh mixed forest: 8 ♂♂, 3 ♀♀; Kalina Wielka (320 m), 9 Jul. 1987, upland mixed forest: 4 ♂♂, 5 ♀♀; Klonów (385 m), 5 Jun. 1988, fresh mixed forest: 3 ♂♂, 7 ♀♀; Krynica (600 m), 24 Jun. 1990, mountain alder carr: 2 ♀♀; hosts: *Aromia moschata* L., *Rhagium mordax* DEG., *Saperda carcharias* L. (*Cerambycidae*). Euro-Caucasian element.

100. *Ischnoceros caligatus* (GRAVENHORST, 1829). Bogucice (290 m), 4 Jun. 1989, mixed forest: 6 ♂♂; Kołków (269 m), 7 Jun. 1990, upland mixed forest: 1 ♂, 1 ♀; Krynica (750 m), 28 Jun. 1984, mountain mixed forest: 2 ♂♂, 3 ♀♀; hosts: *Arhopalus rusticus* L., *Leiopus nebulosus* L., *Rhagium bifasciatum* F., *R. inquisitor* L., *R. mordax* DEG., *Saperda carcharias* L. (*Cerambycidae*). Euro-Caucasian element.

101. *Odontocolon spinipes* (GRAVENHORST, 1829). Andrychów (490 m), 6 Jul. 1989, upland forest: 1 ♂, 5 ♀♀; Krynica (750 m), mountain mixed forest: 2 ♀♀; hosts: ! *Rhagium sycophanta* SCHRK., ! *R. inquisitor* L., (*Cerambycidae*). Holarctic element.

102. *Odontocolon appendiculatus* (GRAVENHORST, 1829). Końskowola (250 m), 9 Jul. 1989, fresh mixed forest: 2 ♀♀; hosts: *Scolytidae*. European element.

103. *Xorides hedwigi* CLÉMENT, 1924. Kalina Wielka (320 m), 8 Jul. 1987, upland mixed forest: 2 ♀♀; Krynica (750 m), 14 Aug. 1987, mountain mixed forest: 1 ♂, 1 ♀; Madohora (820 m), 2 Aug. 1992, mountain mixed forest: 2 ♀♀; hosts: ! *Saperda scalaris* L., ! *Leiopus nebulosus* L. (*Cerambycidae*). Euro-Siberian element.

104. *Xorides filiformis* GRAVENHORST, 1829. Andrychów (500 m), 3 Jun. 1989, upland forest: 2 ♀♀; Krynica (750 m), 15 Jul. 1987, mountain mixed forest: 3 ♀♀; hosts: *Acanthocinus aedilis* L., *Callidium aeneum* DEG., *Ergates faber* L., *Phymatodes testaceus* L., *Plagionotus arcuatus* L., *Rhagium inquisitor* L. (*Cerambycidae*), *Xiphydria longicollis* GEOFFR. (*Xiphydriidae*). Euro-Siberian element.

105. *Xorides praecatorius* FABRICIUS, 1798. Klonów (385 m), 5 Jun. 1987, fresh mixed forest: 2 ♂♂, 3 ♀♀; Kalina Wielka (320 m), 12 Jun. 1990, upland mixed forest: 2 ♀♀; Trzy Korony (800 m) 3 Aug. 1992, *Carici-Fagetum abietetosum*: 2 ♀♀; hosts: ! *Agrilus viridis* L. (*Buprestidae*), *Aromia moschata* L., *Callidium aeneum* DEG., *C. violaceum* L., *Leiopus nebulosus* L. (*Cerambycidae*). Euro-Siberian element.

106. *Xorides securicornis* (HOLMGREN, 1855). Końskowola (260 m), 5 Jun. 1987, upland mixed forest: 1 ♂, 5 ♀♀; hosts: *Psoa dubia* ROSSI (*Bostrychidae*), *Hedobia pubescens* OL. (*Anobiidae*), ! *Phymatodes testaceus* L. (*Cerambycidae*). Euro-Caucasian element.

107. *Xorides rufipes* GRAVENHORST, 1829. Chroberz (305 m), 6 Jun. 1987, fresh mixed forest: 8 ♂♂, 12 ♀♀; Klonów (385 m), 5 Jun. 1988, fresh mixed forest: 5 ♀♀; hosts: *Cerambycidae*. Euro-Siberian element.

108. *Xorides niger* PFEFFER, 1949. Andrychów (500 m), 6 Jul. 1989, upland forest: 5 ♂♂, 14 ♀♀; Kalina Wielka (320 m), 8 Jul. 1987, upland mixed forest: 4 ♂♂, 4 ♀♀; hosts: *Cerambycidae*. Euro-Siberian element.

109. *Xorides brachylabis* KRIECHBAUMER, 1901. Andrychów (450 m), 6 Jul. 1989, upland forest: 3 ♀♀; Krynica (800 m), 15 Jul. 1990, mountain forest: 2 ♀♀; hosts: *Tetropium castaneum* L., *T. fuscum* F., *T. gabrieli* WEISE (*Cerambycidae*). Euro-Siberian element.

110. *Xorides irrigator* (FABRICIUS, 1798). Końskowola (260 m), 7 Jun. 1990, upland mixed forest: 5 ♂♂, 2 ♀♀; Kalina Wielka (320 m), 8 Jul. 1987, upland mixed forest: 5 ♂♂, 8 ♀♀; Madohora (800 m), 4 Aug. 1991, mountain mixed forest: 2 ♀♀; hosts: ! *Acanthocinus aedilis* L., *A. carinulatus* GEBL., *Rhagium inquisitor* L., *Tetropium gabrieli* WEISE (*Cerambycidae*). Euro-Siberian element.

Gelinae

111. *Chirotica trifasciata* (THUNBERG, 1827). Stolarzówka (650 m), 18 Jul. 1991, meadow: 2 ♂♂, 1 ♀; hosts: *Lepidopsycha unicolor* HUFN. (*Psychidae*). European element.

112. *Chiroticamaculipennis* GRAVENHORST, 1829. Stolarzówka (650 m), 29 Jul. 1991, meadow: 1 ♂, 1 ♀; Madohora (820 m), 3 Aug. 1992, mountain mixed forest: 2 ♀♀; hosts: *Psychidae*. European element.
113. *Encrateola laevigata* RATZEBURG, 1848. Stolarzówka (650 m), 19 Jul. 1991, meadow: 2 ♀♀; Krynica (500 m), 14 Jul. 1991, mountain alder carr: 1 ♀; hosts: *Diadegma armillata* GRAV. (*Ichneumonidae*), *Apanteles dilectus* HAL., *Macrocentrus* sp. (*Braconidae*). European element.
114. *Acrolyta distincta* (BRIDGMAN, 1880). Kurnikówka (680 m), 18 Jul. 1991, meadow: 4 ♂♂, 1 ♀; hosts: *Ichneumonidae*, *Braconidae*. European element.
115. *Acrolyta secernenda* SCHMIEDKNECHT, 1933. Kurnikówka (680 m), 17 Jul. 1991, meadow: 1 ♀; Krynica (700 m), 12 Aug. 1988, mountain mixed forest: 2 ♀♀; hosts: *Braconidae*. European element.
116. *Arotrephes speculator* GRAVENHORST, 1829. Stolarzówka (650 m), 15 Jul. 1991, meadow: 1 ♀; Kurnikówka (680 m), 18 Jul. 1990, meadow: 1 ♀; hosts: *Calliphoridae*. European element.
117. *Aclastus minutus* BRIDGMAN, 1880. Kurnikówka (680 m), 17 Jul. 1988, meadow: 1 ♀; Trzy Korony (900 m), 3 Aug. 1992, meadow: 2 ♀♀; hosts: *Braconidae*. European element.
118. *Polyaulon incertus* FOERSTER, 1850. Stolarzówka (650 m), 16 Jul. 1987, meadow: 1 ♀; Kurnikówka (680 m), 17 Jul. 1987, meadow: 1 ♀; Andrychów (450 m), 17 Jun. 1992, upland forest: 2 ♀♀; hosts: *Braconidae*. European element.
119. *Gelis agilis* FABRICIUS, 1798. Krynica (700 m), 16 Jun. 1984, mountain mixed forest: 2 ♀♀; Stolarzówka (650 m), 29 Jul. 1988, meadow: 1 ♂, 3 ♀♀; Kurnikówka (680 m), 24 Jul. 1987, meadow: 1 ♀; hosts: *Braconidae*. European element.
120. *Gelis sericeus* FOERSTER, 1850. Stolarzówka (650 m), 22 Jul. 1987, meadow: 1 ♀; Kurnikówka (680 m), 24 Jul. 1987, meadow: 1 ♀; hosts: *Apanteles vitripennis* HAL. (*Braconidae*), *Camponotus* sp. (*Formicidae*). European element.
121. *Gelis festinans* (FOERSTER, 1850). Stolarzówka (650 m), 22 Jul. 1987, meadow: 2 ♀♀; Krynica (750 m), 15 Jun. 1985, mountain mixed forest: 1 ♀; hosts: *Tenthredinidae*. European element.
122. *Gelis canaliculatus* FOERSTER, 1850. Stolarzówka (650 m), 27 Jul. 1987, meadow; Madohora (800 m), 6 Aug. 1992, mountain mixed forest: 2 ♀♀; hosts: *Tenthredinidae*. European element.
123. *Gelis acarorum* LINNAEUS, 1758. Trzy Korony (970 m), 17 Jul. 1991, meadow: 2 ♂♂, 3 ♀♀; Krynica (750 m), 16 Jul. 1991, mountain forest: 1 ♂, 1 ♀; hosts: *Ichneumonidae*. European element.
124. *Gelis latrator* (FOERSTER, 1850). Stolarzówka (650 m), 16 Jul. 1987, fresh mixed forest: 1 ♂, 1 ♀; hosts: *Ichneumonidae*. European element.
125. *Mastrus inimicus* (GRAVENHORST, 1829). Stolarzówka (650 m), 20 Jul. 1987, meadows: 1 ♀; Kołków (260 m), 12 Jul. 1986, upland mixed forest: 2 ♀♀; hosts: *Itamoplex leucoceir* RATZ., *Exenterus abruptorius* THUNB., *Orthopelma mediator* THUNB. *Ichneumonidae*. European element.

126. *Mastrus hirticeps* THOMSON, 1896. Kurnikówka (680 m), 30 Jul. 1987, meadow: 1 ♀; Krynica (750 m), 13 Jun. 1984, mountain forest: 2 ♀♀; hosts: *Ichneumonidae*. European element.

127. *Mastrus castaneus* TASCHENBERG, 1863. Stolarzówka (650 m), 19 Jul. 1991, meadow: 1 ♀; Krynica (600 m), 18 Jun. 1985, mountain alder carr: 2 ♀♀; Klonów (385 m), 9 Jun. 1987, fresh mixed forest: 1 ♀; hosts: *Banchus femoralis* THOMS., *Exenterus abruptorius* THUNB. (*Ichneumonidae*), *Meteorus albiditarsis* CURT. (*Braconidae*), *Panzeria rudis* FALL. (*Tachinidae*), *Diprion pini* L. (*Diprionidae*). Euro-Caucasian element.

128. *Mastrus armatus* (GRAVENHORST, 1829). Trzy Korony (900 m), 22 Jul. 1991, meadow: 1 ♂, 2 ♀♀; Krynica (650 m), 29 Jul. 1991, mountain mixed forest: 2 ♂♂, 3 ♀♀; Madohora (800 m), 2 Aug. 1990, mountain mixed forest: 1 ♀; hosts: *Gymnomerus laevipes* SHUCK. (*Eumenidae*), *Crossocerus nigratus* LEP. et BRULLÉ, *Trypoxylon figulus* L. (*Sphecidae*). European element.

129. *Rhembobius quadrispinus* GRAVENHORST, 1829. Kurnikówka (680 m), 10 Aug. 1991, meadow: 1 ♀; Krynica (750 m) 27 Aug. 1989, mountain forest: 1 ♂, 2 ♀♀; Chroberz (305 m), 12 Jun. 1990, fresh mixed forest: 1 ♀; hosts: *Syrphidae*. European element.

130. *Endasys erythrogaster* GRAVENHORST, 1829. Kurnikówka (680 m), 10 Aug. 1992, meadow: 1 ♂, 1 ♀; Kołków (360 m), 6 Jul. 1989, upland mixed forest: 1 ♂, 1 ♀; Krynica (750 m) 29 Jun. 1985, mountain forest: 1 ♀♀; hosts: *Diprion* sp. (*Diprionidae*), *Pristiphora abietina* CHRIST., *Pachynematus montanus* ZADD. (*Tenthredinidae*). European element.

131. *Endasys brevis* GRAVENHORST, 1829. Kurnikówka (680 m), 20 Jul. 1992, meadow: 1 ♂, 1 ♀; Andrychów (500 m), 2 Jul. 1992, upland forest: 2 ♀♀; Krynica (750 m), 28 Jun. 1986, mountain forest: 1 ♀; hosts: *Nematus ribesii* SCOP., *Pristiphora abietina* CHRIST., *Pachynematus montanus* ZADD. (*Tenthredinidae*), *Laspeyresia pomonella* L. (*Tortricidae*), *Malacosoma neustrium* L. (*Lasiocampidae*). European element.

132. *Glyphicnemis profligator* FABRICIUS, 1804. Stolarzówka (650 m), 17 Jul. 1991, meadow: 3 ♂♂, 3 ♀♀; Krynica (950 m), 28 Jun. 1988, mountain forest: 3 ♂♂, 1 ♀; hosts: *Diprion pini* L., *Neodiprion sertifer* GEOFFR. (*Diprionidae*), *Nematus acuminatus* THOMS., *Nematus crassus* FALL., *N. salicis* L., *Trichiocampus viminalis* L. (*Tenthredinidae*). European element.

133. *Glyphicnemis vagabundus* GRAVENHORST, 1829. Andrychów (450 m), 12 Jun. 1989, upland forest: 2 ♀♀; Krynica (650 m), 27 Jul. 1990, mountain mixed forest: 1 ♀; hosts: *Tenthredinidae*. European element.

134. *Phygadeuon geniculatus* (KRIECHBAUMER, 1901). Stolarzówka (650 m), 17 Jul. 1991, meadow: 1 ♀; Krynica (900 m), 19 Jul. 1986, mountain forest: 1 ♀; hosts: *Anthomyiidae*. European element.

135. *Phygadeuon ovatus* GRAVENHORST, 1829. Stolarzówka (650 m), 17 Jul. 1991, meadow: 2 ♀; Kurnikówka (680 m), 16 Jul. 1991, meadow: 2 ♀♀; Krynica (650 m), 29 Jul. 1986, mountain alder carr: 1 ♀; hosts: *Anthomyiidae*. European element.

136. *Phygadeuon cephalotes* GRAVENHORST, 1829. Stolarzówka (650 m), 19 Jul. 1992. meadow: 1 ♂; Krynica (850 m), 25 Jul. 1991, mountain forest: 2 ♂♂, 3 ♀♀; hosts: *Anthomyiidae*. European element

137. *Phygadeuon trichops* THOMSON, 1886. Stolarzówka (650 m), 12 Aug. 1992, meadow: 1 ♀; Klonów (385 m), 7 Jul. 1990, fresh mixed forest: 3 ♂♂; Krynica (650 m), 24 Jun. 1986, mountain mixed forest: 1 ♂, 1 ♀; hosts: *Pegomyia betae* CURT., *Delia platura* MG. (*Anthomyiidae*). European element.
138. *Phygadeuon pegomyiae* HABERMEHL, 1922. Stolarzówka (650 m), 16 Jul. 1991, meadow: 1 ♂; Krynica (800 m), 25 Jun. 1992, mountain forest: 1 ♀; hosts: *Pegomyia hyoscyami* PANZ., *P. betae* CURT., *P. albimargo* PAND. (*Anthomyiidae*), *Norellisoma spinimatum* FALL. (*Scatophagidae*). European element.
139. ! *Phygadeuon filipendulae* HORSTMANN, 1986. Andrychów (500 m), 8 Jul. 1988, upland forest: 2 ♂♂, 1 ♀; Krynica (850 m), 22 Jul. 1989, mountain forest: 2 ♀♀; hosts: *Pegomya rubivora* COQUILLET (*Anthomyiidae*). European element.
140. ! *Stilpnus fallax* FOERSTER, 1876. Andrychów (450 m), 8 Jul. 1988, upland forest: 2 ♀♀; hosts: *Anthomyiidae*. European element.
141. ! *Stilpnus rossicus* JUSSILA, 1987. Stolarzówka (650 m), 16 Jul. 1990, meadow: 1 ♀; Madohora (850 m), 3 Aug. 1992, mountain mixed forest: 2 ♀♀; hosts: *Muscidae*. European element.
142. *Stilpnus angustatus* THOMSON, 1896. Stolarzówka (650 m), 16 Jul. 1991, meadow: 1 ♀; Krynica (900 m), 25 Jul. 1990, mountain forest: 1 ♀; hosts: *Muscidae*. European element.
143. *Stilpnus blandus* (GRAVENHORST, 1829). Kurnikówka (680 m), 16 Jul. 1992, meadow: 1 ♂; Andrychów (500 m), 21 Jun. 1992, upland forest: 1 ♂; hosts: *Muscidae*. European element.
144. *Mesoleptus ripicolus* THOMSON, 1873. Stolarzówka (650 m), 20 Jul. 1992, meadow: 1 ♀; Krynica (850 m), 30 Jun. 1988, mountain forest: 1 ♀; hosts: *Muscidae*. European element.
145. *Mesoleptus marginatus* (THOMSON, 1896), Kurnikówka (680 m), 11 Aug. 1992, meadow: ♂ ♀♀; Krynica (950 m), 25 Jun. 1990, mountain forest: 1 ♀; hosts: *Muscidae*. European element.
146. *Mesoleptus filicornis* THOMSON, 1896. Stolarzówka (650 m), 23 Jul. 1991, meadow: 2 ♀♀; Chroberz (305 m), 12 Jun. 1990, fresh mixed forest: 1 ♂; Krynica (850 m), 29 Jul. 1991, mountain forest: 1 ♀; hosts: *Muscidae*. European element.
147. *Mesoleptus transversator* (THUNBERG, 1827). Stolarzówka (650 m), 17 Jul. 1992, meadow: 1 ♂; Andrychów (450 m), 8 Jul. 1988, upland forest: 2 ♀♀; hosts: *Muscidae*. European element.
148. *Mesoleptus scrutator* (HALIDAY, 1832). Kurnikówka (680 m), 28 Jul. 1992, meadow: 1 ♀; Andrychów (500 m), 5 Jul. 1987, upland forest: 2 ♀♀; Krynica (800 m), 23 Jul. 1987, mountain forest: 1 ♂; hosts: *Muscidae*. European element.
149. *Atractodes gravidus* GRAVENHORST, 1829. Madohora (900 m), 5 Aug. 1991, mountain mixed forest: 2 ♀♀; Krynica (850 m), 26 Jul. 1988, mountain forest: 1 ♀; hosts: *Tortricidae*. European element.
150. *Atractodes gilvipes* HOLMGREN, 1858. Andrychów (450 m), 12 Jun. 1989, upland forest: 1 ♀; Krynica (650 m), 23 Jul. 1985, mountain mixed forest: 1 ♀; hosts: *Tortricidae*. European element.

151. *Atractodes punctator* ROMAN, 1943. Madohora (929 m), 29 Jun. 1991, mountain mixed forest: 2 ♀♀; Krynica (950 m), 22 Jul. 1984, mountain forest: 1 ♀; hosts: *Muscidae*. European element.

152. *Cubocephalus anatorius* GRAVENHORST, 1829. Stolarzówka (650 m), 12 Aug. 1992, meadow: 2 ♀♀; Krynica (750 m), 22 Jul. 1985, mountain forest: 1 ♀; hosts: *Sphecidae*. European element.

153. *Cubocephalus associator*, THUNBERG, 1827. Kurnikówka (680 m), 16 Jul. 1991, meadow: 2 ♂♂, 4 ♀♀; hosts: *Sphecidae*. European element.

154. *Cubocephalus brevicornis* TASCHENBERG, 1865. Stolarzówka (650 m), 3 Aug. 1992, meadow: 1 ♂, 1 ♀; Krynica (600 m), 19 Jul. 1984, mountain alder carr: 2 ♂♂, 1 ♀; hosts: *Cerambycidae*. European element.

155. *Cubocephalus nigriventris* THOMSON, 1896. Kurnikówka (680 m), 18 Jul. 1991, meadow: 1 ♀; Krynica (800 m), 20 Jun. 1989, mountain forest: 1 ♀; hosts: *Cerambycidae*. European element.

156. *Cubocephalus erythrinus* GRAVENHORST, 1829. Stolarzówka (650 m), 16 Jul. 1991, meadow: 1 ♂; Krynica (800 m), 20 Jul. 1984, mountain forest: 1 ♀; hosts: *Cerambycidae*. European element.

157. *Echthrus reluctator* (LINNAEUS, 1758). Kołków (269 m), 14 Jul. 1988, upland mixed forest: 2 ♀♀; Krynica (750 m), 20 Jun. 1984, mountain forest: 1 ♀; hosts: *Cerambycidae*. European element.

158. *Oresbius arridens* (GRAVENHORST, 1829). Kurnikówka (680 m), 16 Jul. 1991, meadow: 1 ♀; Krynica (750 m), 19 Jul. 1990, mountain forest: 1 ♂, 1 ♀; hosts: *Cerambycidae*. European element.

159. *Oresbius subguttatus* (GRAVENHORST, 1829). Madohora (920 m), 29 Jun. 1991, mountain mixed forest: 1 ♂, 2 ♀♀; Krynica (800 m), 20 Jul. 1991, mountain forest: 1 ♂, 1 ♀; hosts: *Diprionidae*. European element.

160. *Polytribax perspicillator* GRAVENHORST, 1829. Chroberz (305 m), 8 Jul. 1987, fresh mixed forest: 1 ♀; Krynica (700 m), 19 Jul. 1985, mountain mixed forest: 1 ♀; hosts: *Diprionidae*. European element.

161. *Plectocryptus digittatus* GRAVENHORST, 1827. Kalina Wielka (320 m), 10 Jul. 1988, upland mixed forest: 1 ♀; Madohora (900 m), 3 Aug. 1992, mountain mixed forest: 1 ♂, Krynica (850 m), 20 Jul. 1985, mountain forest: 1 ♀; *Diprionidae*. European element.

162. *Schenkia graminicola* GRAVENHORST, 1829. Kołków (269 m), 19 Jul. 1987, upland mixed forest: 2 ♂♂, Krynica (750 m), 27 Jun. 1988, mountain forest: 1 ♀; hosts: *Zygaenidae*. European element.

163. *Pleolophus basizonus* GRAVENHORST, 1829. Chroberz (305 m), 8 Jul. 1987, fresh mixed forest: 3 ♂♂, 3 ♀♀; Krynica (650 m), 29 Jun. 1984, mountain mixed forest: 2 ♀♀; hosts: *Gilpinia frutetorum* F., *G. pallida* KL., *Diprion pini* L., *Neodiprion sertifer* GEOFFR. (*Diprionidae*). European element.

164. *Pleolophus curtulus* KRIECHBAUMER, 1901. Bogucice (290 m), 6 Jul. 1986, mixed forest: 2 ♂♂; Krynica (700 m), 21 Jul. 1985, mountain mixed forest: 1 ♀; hosts: *Diprionidae*. European element.

165. *Aptesis desertor* (GRAVENHORST, 1829). Madohora (829 m), 5 Sep. 1991, mountain mixed forest: 1 ♂♂; Krynica (750 m), 20 Jul. 1986, mountain forest: 1 ♀; hosts: *Zygaenidae*. European element.

166. *Agrothereutes fumipennis* (GRAVENHORST, 1829). Stolarzówka (650 m), 15 Jul. 1991, meadow: 1 ♂; Krynica (700 m), 18 Jul. 1986, mountain mixed forest: 1 ♂, 1 ♀; hosts: *Zygaena filipendulae* L., *Zygaena* sp. (*Zygaenidae*). European element.

167. *Agrothereutes aterrimus* (GRAVENHORST, 1829). Andrychów (500 m), 12 Jun. 1989, upland forest: 1 ♂, 1 ♀; Krynica (750 m), 30 Jun. 1984, mountain forest: 1 ♀; hosts: *Aegeriidae*. European element.

168. *Gambrus incubitor* (LINNAEUS, 1758). Madohora (900 m), 6 Aug. 1991, mountain mixed forest: 3 ♂♂, 2 ♀♀; Krynica (850 m), 15 Jul. 1990, mountain forest: 1 ♂; hosts: *Aegeria formicaeformis* ESP. (*Aegeriidae*), *Malacosoma neustrium* L. (*Lasiocampidae*). European element.

169. *Gambrus ornatulus* (THOMSON, 1878). Madohora (920 m), 9 Aug. 1991, mountain mixed forest: 1 ♂, 2 ♀♀; Krynica (950 m), 24 Jun. 1990, mountain forest: 1 ♀; hosts: *Tortricidae*. European element.

170. *Aritranis mesoxanthus* (THOMSON, 1873). Chroberz (305 m), 8 Jul. 1988, fresh mixed forest: 1 ♀; Klonów: (385 m), 8 Jul. 1988, fresh mixed forest: 1 ♂, 2 ♀♀; Krynica (750 m), 19 Jul. 1986, mountain forest: 1 ♂, 1 ♀; hosts: *Tortricidae*. European element.

171. *Trychosis pauper* (TSCHKE, 1870). Trzy Korony (970 m), 7 Jul. 1991, meadow: 1 ♀; Kurnikówka (680 m), 12 Aug. 1992, meadow: 2 ♀♀; Krynica (950 m), 20 Jul. 1985, mountain forest: 2 ♀♀; hosts: *Tortricidae*. European element.

172. *Enclisis macilenta* (GRAVENHORST, 1829). Andrychów (500 m), 12 Jun. 1989, upland forest: 2 ♀♀; Krynica (750 m), 18 Jun. 1987, mountain forest: 1 ♀; hosts: *Lymantriidae*. European element.

173. *Ischnus punctiger* (THOMSON, 1873). Kołków (269 m), 11 Jul. 1989, upland mixed forest: 1 ♂, 1 ♀; Krynica (850 m), 25 Jun. 1986, mountain forest: 1 ♀; hosts: *Tortricidae*. European element.

174. *Ischnus inquisitorius* (MÜLLER, 1932). Bogucice (290 m), 5 Jul. 1987, mixed forest: 3 ♂♂, 1 ♀; Krynica (750 m), 23 Jul. 1986, mountain forest: 2 ♂♂, 1 ♀; hosts: *Lymantria dispar* L. (*Lymantriidae*), *Pandemis cerasana* HB., *Archips rosana* L. (*Tortricidae*). European element.

175. *Itamoplex inculator* (LINNAEUS, 1758). Chroberz (305 m), 5 Jul. 1987, fresh mixed forest: 4 ♀♀; Krynica (750 m), 17 Jul. 1985, mountain forest: 1 ♀; hosts: *Panolis flammea* DEN. et SCHIFF., *Agrotis vestigialis* ROTT. (*Noctuidae*). European element.

176. *Itamoplex triguttatus* (GRAVENHORST, 1829). Chroberz (305 m), 5 Jul. 1987, fresh mixed forest: 1 ♂; Stolarzówka (650 m), 9 Aug. 1989, meadow: 1 ♀; Krynica (750 m), 28 Jun. 1987, mountain forest: 1 ♀; hosts: *Lasiocampidae*. European element.

177. *Schreineria annulata* (BRISCHKE, 1880). Kalina Wielka (320 m), 29 Jun. 1990, upland mixed forest: 1 ♂, 2 ♀♀; Krynica (750 m), 30 Jun. 1987, mountain forest: 2 ♀♀; hosts: *Aegeria formicaeformis* ESP., *A. sphecoformis* DEN. et SCHIFF. (*Aegeriidae*). European element.

178. *Meringopus cyanator* (GRAVENHORST, 1829). Bogucice (290 m), 5 Jul. 1987, mixed forest: 2 ♀♀; Madohora (900 m), 9 Jul. 1991, mountain mixed forest: 1 ♂; Krynica (850 m), 24 Jun. 1985, mountain forest: 1 ♀; hosts: *Malacosoma neustrium* L. (*Lasiocampidae*), *Panolis flammea* DEN. et SCHIFF. (*Noctuidae*). European element.

Lycorininae

179. *Lycorina triangulifera* HOLMGREN, 1855. Madohora (929 m), 9 Aug. 1991, mountain mixed forest: 1 ♀; Krynica (950 m), 23 Jul. 1984, mountain forest: 2 ♀♀; hosts: *Aegeriidae*, *Noctuidae*. Euro-Asiatic element.

Stilbopinae

180. ! *Stilbops plementaschi* HENS, 1930. Stolarzówka (650 m), 10 Jul. 1991, meadow: 2 ♀♀; Krynica (850 m), 29 Jun. 1991, mountain forest: 1 ♀; hosts: *Noctuidae*. European element.

181. ! *Stilbops robustus* KASPARYAN, 1984. Madohora (820 m), 26 Jun. 1991, mountain mixed forest: 1 ♀; Krynica (850 m), 28 Jun. 1987, mountain forest: 2 ♀♀; hosts: *Adelidae*. Euro-Siberian element.

182. *Stilbops abdominalis* GRAVENHORST, 1829. Kurnikówka (680 m), 8 Jul. 1991, meadow: 2 ♀♀; Kołków (260 m), 12 Jul. 1986, upland mixed forest: 1 ♀; Krynica (750 m), 26 Jun. 1985, mountain forest: 1 ♀; hosts: *Adelidae*. Holarctic element.

Banchinae

183. *Glypta extincta* RATZEBURG, 1852. Madohora (920 m), 12 Jul. 1991, mountain mixed forest: 1 ♀; Krynica (950 m), 19 Jul. 1989, mountain mixed forest: 1 ♀; hosts: *Tortricidae*. Holarctic element.

184. *Glypta resinanae* HARTIG, 1837. Chroberz (305 m), 5 Jul. 1987, fresh mixed forest: 1 ♂, 1 ♀; Krynica (600 m), 18 Jun. 1985, mountain alder carr: 1 ♀; hosts: *Choristoneura murinana* HB., *Blastethia turionella* L., *Petrova resinella* L. (*Tortricidae*). Euro-Siberian element.

185. *Lissonota nitida* (GRAVENHORST, 1829). Kalina Wielka (320 m), 7 Jul. 1988, upland mixed forest: 3 ♀♀; Krynica (750 m), 23 Jun. 1987, mountain mixed forest: 1 ♀; hosts: *Aegeria tipuliformis* CL. (*Aegeriidae*), *Apamea sordens* HUFN. (*Noctuidae*). Euro-Siberian element.

186. *Lissonota impressifrons* (THOMSON, 1896). Kurnikówka (680 m), 18 Jul. 1991, meadow: 2 ♀♀; Krynica (750 m), 18 Jul. 1988, mountain mixed forest: 1 ♀; hosts: *Aegeria formiceformis* ESP., *A. sphecefiformis* DEN. et SCHIFF. (*Aegeriidae*). European element.

187. *Cryptopimpla errabunda* GRAVENHORST, 1823. Klonów (385 m), 6 Jul. 1987, fresh mixed forest: 1 ♂, 1 ♀; Krynica (750 m), 23 Jun. 1984, mountain mixed forest: 1 ♂; hosts: *Aegeriidae*. Euro-Siberian element.

188. *Syzeuctus apicalis* GRAVENHORST, 1829. Stolarzówka (650 m), 8 Jul. 1991, Krynica (750 m), 22 Jul. 1984, mountain mixed forest: 1 ♀; hosts: *Tortricidae*. Euro-Siberian element.

189. *Exetastes adpressorius* THUNBERG, 1827. Andrychów (500 m), 7 Jun. 1988, upland forest: 1 ♀; Krynica (750 m), 19 Jul. 1988, mountain forest: 1 ♀; hosts: *Noctuidae*. European element.

190. *Exetastes albiger* KRIECHBAUMER, 1901. Bogucice (290 m), 8 Jul. 1987, mixed forest: 2 ♀♀; Krynica (800 m), 24 Jun. 1990, mountain forest: 2 ♂♂; hosts: *Noctuidae*. European element.

Ctenopelmatinae (Scolobatinae)

191. *Homaspis rufinus* (GRAVENHORST, 1829). Kołków (252 m), 9 Jul. 1987, upland mixed forest: 1 ♀; Madohora (900 m), 3 Aug. 1992, mountain mixed forest: 1 ♀; Krynica (750 m), 26 Jun. 1986, mountain forest: 1 ♂; hosts: *Tenthredinidae*. European element.

192. *Homaspis robustus* THOMSON, 1896. Chroberz (305 m), 5 Jul. 1987, fresh mixed forest: 2 ♀♀; Krynica (650 m), 28 Jun. 1987, mountain mixed forest: 1 ♀; hosts: *Tenthredinidae*. European element.

193. *Glyptorhaestus selandrivorius* GIRAUD, 1872. Kalina Wielka (320 m), 7 Jul. 1988, upland mixed forest: 1 ♀; Krynica (600 m), 27 Jun. 1986, mountain alder carr: 1 ♀; hosts: *Tenthredinidae*. Euro-Siberian element.

194. *Rhorus substitutor* THUNBERG, 1791. Bogucice (290 m), 8 Jul. 1987, mixed forest: 2 ♀♀; Krynica (750 m), 21 Jul. 1989, mountain forest: 1 ♀; hosts: *Diprion pini* L., *Microdiprion pallipes* FALL. (*Diprionidae*). Euro-Siberian element.

195. *Pion crassipes* (HOLMGREN, 1889). Chroberz (305 m), 19 Jul. 1986, fresh mixed forest: 1 ♂, 2 ♀♀; Krynica (750 m), 20 Jul. 1989, mountain forest: 1 ♂, 1 ♀; hosts: *Tenthredinidae*. European element.

196. *Pion stammeri* (BAUER, 1958). Andrychów (500 m), 12 Jun. 1990, upland forest: 2 ♂♂, 1 ♀; Krynica (750 m), 23 Jun. 1986, mountain forest: 1 ♂; hosts: *Tenthredinidae*. European element.

197. *Scolobates auriculatus* (FABRICIUS, 1804). Kołków (260 m), 9 Jul. 1987, upland mixed forest: 1 ♀; Krynica (800 m), 20 Jun. 1987, mountain forest: 1 ♀; hosts: *Argidae*. Holarctic element.

198. *Rhinotorus mesocastanus* (THOMSON, 1896). Kalina Wielka (320 m), 7 Jul. 1988, upland mixed forest: 1 ♀; Trzy Korony (900 m), 5 Aug. 1992, meadow: 1 ♀; hosts: *Cladius difformis* PANZ., *Crosesus septentrionalis* L., *Nematus melanocephalus* HTG. (*Tenthredinidae*). Holarctic element.

199. *Anoncus referendus* HEINRICH, 1960. Bogucice (290 m), 9 Jun. 1987, mixed forest: 2 ♀♀; Krynica (500 m), 12 Jul. 1984, mountain alder carr: 1 ♀; hosts: *Tenthredinidae*. Holarctic element.

200. *Alexeter fallax* HOLMGREN, 1855. Bogucice (290 m), 9 Jun. 1987, mixed forest: 3 ♀♀; Krynica (750 m), 22 Jun. 1985, mountain forest: 1 ♀; hosts: *Tenthredopsis* sp., *Strongylogaster* sp. (*Tenthredinidae*). Holarctic element.

201. *Alexeter niger* GRAVENHORST, 1829. Kurnikówka (680 m), 8 Jul. 1991, meadow: 2 ♀♀; Krynica (750 m), 23 Jun. 1985, mountain forest: 1 ♀; hosts: *Aglostigma* sp., *Rhogogaster* sp. (*Tenthredinidae*). Holarctic element.

202. *Barytarbes colon* GRAVENHORST, 1829. Chroberz (305 m), 13 Jul. 1987, fresh mixed forest: 1 ♀; Krynica (500 m), 24 Jun. 1986, mountain alder carr: 1 ♀; hosts: *Tenthredinidae*. Holarctic element.

203. *Lagarotis semicaligata* GRAVENHORST, 1829. Madohora (920 m), 12 Jul. 1991, mountain mixed forest: 2 ♀♀; Krynica (950 m), 23 Jun. 1987, mountain forest: 1 ♀; hosts: *Tenthredinidae*. European element.

204. *Lagarotis ustulatus* HOLMGREN, 1857. Stolarzówka (650 m), 11 Sep. 1991, meadow: 1 ♀; Krynica (750 m), 24 Jul. 1984, mountain forest: 1 ♂; hosts: *Tenthredinidae*. European element.

205. *Olophorus pulverulentus* (HOLMGREN, 1889). Madohora (929 m), 8 Jul. 1991, mountain mixed forest: 2 ♀♀; Krynica (950 m), 25 Jun. 1986, mountain forest: 1 ♂, 1 ♀; hosts: *Tenthredinidae*. Holarctic element.

206. *Dentimachus flavipes* (GRAVENHORST, 1829). Kołków (269 m), 9 Jul. 1987, upland mixed forest: 1 ♂, 1 ♀; Krynica (500 m), 23 Jun. 1984, mountain alder carr: 1 ♀; hosts: *Tenthredinidae*. European element.

207. *Lamachus transiens* (RATZEBURG, 1852). Bogucice (290 m), 9 Jun. 1987, mixed forest: 1 ♂, 1 ♀; Krynica (500 m), 22 Jun. 1984, mountain alder carr: 1 ♂, 1 ♀; hosts: *Diprion pini* L., *Gilpinia frutetorum* F., *G. virens* KL. (*Diprionidae*). European element.

208. *Hyperbatus segmentator* HOLMGREN, 1855. Chroberz (305 m), 13 Jul. 1987, fresh mixed forest: 1 ♀; Krynica (750 m), 29 Jun. 1985, mountain forest: 1 ♀; hosts: *Nematus melanaspis* HTG., *N. pavidus* LEP., *Croesus latipes* VILL. (*Tenthredinidae*). Holarctic element.

209. *Synomelix scutulata* (HARTIG, 1837). Bogucice (290 m), 9 Jun. 1987, mixed forest: 1 ♂, 2 ♀♀; Krynica (800 m), 18 Jun. 1984, mountain forest: 1 ♂; hosts: *Gilpinia frutetorum* F., *G. virens* KL., *Neodiprion sertifer* GEOFFR. (*Diprionidae*). Holarctic element.

Phrudinae

210. *Seleucus cuneiformis* HOLMGREN, 1889. Madohora (900 m), 10 Jun. 1991, mountain mixed forest: 1 ♂; Krynica (950 m), 29 Jun. 1985, mountain forest: 2 ♂♂; hosts: *Curculionidae*. Holarctic element.

Tersilochinae

211. *Barycnemis guttator* (THUNBERG, 1824). Madohora (929 m), 29 Jun. 1991, mountain mixed forest: 2 ♂♂; Krynica (950 m), 27 Jun. 1984, mountain forest: 1 ♂, hosts: *Curculionidae*. European element.

212. *Aneucelis melanarius* HOLMGREN, 1889. Kalina Wielka (320 m), 7 Jul. 1988, upland mixed forest: 2 ♀♀; Krynica (750 m), 23 Jun. 1984, mountain forest: 1 ♀; hosts: *Ceutorhynchus pleurostigma* MARSH., *C. assimilis* PAYK. (*Curculionidae*), *Psylliodes chrysocephala* L. (*Chrysomelidae*). European element.

213. *Phradis minutus* (BRIDGMAN, 1886). Madohora (929 m), 5 Aug. 1991, mountain mixed forest: 1 ♀; hosts: *Curculionidae*. European element.

214. ! *Phradis nigrutilus* (GRAVENHORST, 1829). Andrychów (450 m), 12 Jul. 1991, upland forest: 2 ♀♀; hosts: *Chrysomelidae*. European element.

215. *Probles microcephalus* GRAVENHORST, 1829. Trzy Korony (900 m), 6 Jul. 1991, meadow: 1 ♂, 2 ♀♀; Krynica (950 m), 19 Jul. 1986, mountain forest: 2 ♂; hosts: *Chrysomelidae*. Euro-Caucasian element.

216. *Probles marginatus* BRIDGMAN, 1886. Stolarzówka (650 m), 12 Sep. 1991, meadow: 2 ♀♀; Krynica (750 m), 24 Jun. 1985, mountain forest: 1 ♀; hosts: *Curculionidae*. European element.

217. *Nanodiaparsis frontellus* HOLMGREN, 1889. Kołków (252 m), 9 Jul. 1987, upland mixed forest: 1 ♀; Krynica (550 m), 25 Jun. 1986, mountain alder carr: 2 ♀♀; hosts: (*Scolytidae*). European element.

218. *Diaparsis truncatus* GRAVENHORST, 1829. Bogucice (290 m), 8 Jul. 1987, mixed forest: 1 ♂, 1 ♀; Krynica (750 m), 18 Jul. 1984, mountain forest: 1 ♂; hosts: *Chrysomelidae*. European element.

219. *Diaparsis stramineipes* BRISCHKE, 1871. Klonów (385 m), 6 Jul. 1987, fresh mixed forest: 3 ♀♀; Krynica (750 m), 21 Jun. 1985, mountain forest: 1 ♀; hosts: *Curculionidae*. European element.

220. *Gonolochus stenocari* GREGOR, 1939. Trzy Korony, (800 m), 9 Jul. 1991, *Carici-Fagetum abietetosum*: 1 ♀; Krynica (800 m), 19 Jun. 1984, mountain forest: 1 ♀; hosts: *Stenocarus fuliginosus* MARSH., *S. cardui* HBST. (*Curculionidae*). European element.

221. *Tersilochus tripartitus* BRISCHKE, 1882. Chroberz (305 m), 6 Jun. 1986, fresh mixed forest: 1 ♂, 1 ♀; Krynica (750 m), 16 Jul. 1984, mountain forest: 1 ♂; hosts: *Curculionidae*. European element.

222. *Tersilochus spiracularis* HORSTMANN, 1980. Andrychów (500 m), 29 Jun. 1991, upland forest: 2 ♀♀; Krynica (750 m), 24 Jun. 1984, mountain forest: 1 ♀; hosts: *Curculionidae*. European element.

223. ! *Tersilochus clypeatus* HORSTMANN, 1980. Stolarzówka (650 m), 8 Jul. 1991, meadow: 1 ♂, 1 ♀; Krynica (800 m), 21 Jun. 1984, mountain forest: 1 ♂; hosts: *Curculionidae*. European element.

224. *Tersilochus subdepressus* THOMSON, 1896. Kurnikówka (680 m), 7 Jul. 1991, meadow: 2 ♀♀; Krynica (750 m), 18 Jul. 1984, mountain forest: 1 ♀; hosts: *Chrysomelidae*. European element.

225. *Tersilochus obliquus* THOMSON, 1896. Madohora (926 m), 10 Jul. 1991, mountain mixed forest: 1 ♀; Krynica (950 m), 22 Jul. 1984, mountain forest: 1 ♀; hosts: *Curculionidae*. European element.

Cremastinae

226. *Dimophora evanialis* (GRAVENHORST, 1829). Trzy Korony (900 m), 10 Jul. 1991, meadow: 3 ♀♀; Krynica (950 m), 20 Jul. 1995, mountain forest: 1 ♀; hosts: *Lepidoptera*. European element.

227. *Pristomerus vulneator* PANZER, 1806. Bogucice (290 m), 7 Jul. 1986, mixed forest: 1 ♂, 1 ♀; Krynica (750 m), 15 Aug. 1990, mountain forest: 1 ♀; hosts: *Laspeyresia pomonella* L., *Rhyacionia buoliana* DEN. et SCHIFF. (*Tortricidae*), *Ostrinia nubilalis* HB. (*Pyraustidae*). European element.

228. *Cremastus geminus* (GRAVENHORST, 1829). Madohora (920 m), 9 Jul. 1991, mountain mixed forest: 1 ♀; Krynica (950 m), 29 Jun. 1984, mountain forest: 1 ♀; hosts: *Pyraustidae*. Euro-Siberian element.

229. *Cremastus pungens* (GRAVENHORST, 1829). Kalina Wielka (320 m), 10 Jun. 1986, upland mixed forest: 2 ♀♀; Krynica (600 m), 28 Jul. 1985, mountain alder carr: 1 ♂; hosts: *Pyraustidae*. Euro-Siberian element.

230. *Temelucha subnasuta* (THOMSON, 1873). Stolarzówka (650 m), 10 Jul. 1991, meadow: 1 ♀; Kołków (260 m), 12 Jul. 1985, upland mixed forest: 1 ♀; hosts: *Pyraustidae*. European element.

231. *Temelucha schoenobius* (THOMSON, 1873). Klonów (385 m), 6 Jul. 1986, fresh mixed forest: 2 ♀♀; hosts: *Tortricidae*. European element.

Campoplegini (Porizontinae)

232. *Venturia campoplegiformis* (HORSTMANN, 1973). Kalina Wielka (320 m), 10 Jun. 1986, upland mixed forest: 1 ♀; hosts: *Epermeniidae*. European element.

233. ! *Bathypiesta carinata* (HORSTMANN, 1974). Madohora (920 m), 9 Jul. 1991, mountain mixed forest: 1 ♀; hosts: *Epermeniidae*. Euro-Asiatic element.

234. ! *Cymodusa declinator* (GRAVENHORST, 1829). Trzy Korony (800 m), 9 Jul. 1991, *Carici-Fagetum abietetosum*: 2 ♀♀; Krynica (750 m), 23 Jun. 1985, mountain forest: 1 ♀; hosts: *Epermeniidae*. European element.

235. *Cymodusa cruentata* (GRAVENHORST, 1829). Klonów (385 m), 6 Jul. 1986, fresh mixed forest: 2 ♀♀; hosts: *Epermeniidae*. Palearctic element.

236. ! *Cymodusa antennator* (HOLMGREN, 1858). Andrychów (500 m), 14 Jun. 1989, upland forest: 1 ♂, 3 ♀♀; hosts: *Epermeniidae*. Euro-Siberian element.

237. ! *Nemeritis major* SZÉPLIGETI, 1916. Madohora (920 m), 9 Jul. 1991, mountain mixed forest: 2 ♀♀; hosts: *Raphidiidae*, *Cleridae*. Holarctic element.

238. ! *Nemeritis specularis* HORSTMANN, 1973. Kalina Wielka (320 m), 10 Jun. 1986, upland mixed forest: 1 ♀; Krynica (750 m), 26 Jul. 1989, mountain forest: 1 ♀; hosts: *Raphidia flammii* ASP. et ASP., *R. nigricollis* ALB., *R. notata* F., *Inocellia braueri* ALB., (*Raphidiidae*). Holarctic element.

239. *Nemeritis fallax* GRAVENHORST, 1829. Kołków (239 m), 9 Jul. 1987, upland mixed forest: 1 ♂, 2 ♀♀; hosts: *Cleridae*. Holarctic element.
240. *Nemeritis breviventris* HORSTMANN, 1973. Chroberz (305 m), 13 Jul. 1987, fresh mixed forest: 1 ♀; Krynica (800 m), 24 Jul. 1987, mountain forest: 1 ♀; hosts: *Cleridae*. Holarctic element.
241. *Nemeritis macrocentra* GRAVENHORST, 1829. Bogucice (290 m), 9 Jun. 1987, mixed forest: 1 ♀; Krynica (750 m), 18 Jul. 1985, mountain forest: 1 ♀; hosts: *Raphidiidae*. Holarctic element.
242. *Nemeritis brevicauda* HORSTMANN, 1973. Klonów (385 m), 14 Mar. 1987, fresh mixed forest: 1 ♀; Krynica (500 m), 12 Aug. 1986, mountain alder carr: 1 ♀; hosts: *Raphidiidae*. Holarctic element.
243. *Lathroplex clypearis* THOMSON, 1896. Madohora (920 m), 9 Jul. 1991, mountain mixed forest: 1 ♀; Krynica (950 m), 22 Aug. 1985, mountain forest: 1 ♀; hosts: *Dermestidae*. European element.
244. *Bathyplectes stenostigma* (THOMSON, 1896). Bogucice (290 m), 9 Jun. 1987, mixed forest: 1 ♀; Krynica (750 m), 20 Jun. 1985, mountain forest: 1 ♀; hosts: *Curculionidae*. Holarctic element.
245. *Bathyplectes curculionis* (THOMSON, 1896). Trzy Korony (850 m), 10 Jul. 1991, *Phyllitido-Aceretum*: 1 ♀; Krynica (950 m), 19 Jun. 1985, mountain forest: 1 ♂; hosts: *Phytonomus variabilis* HBS., *P. plantaginis* DEG. (*Curculionidae*). Holarctic element.
246. *Bathyplectes exiguus* (GRAVENHORST, 1829). Trzy Korony (850 m), 5 Jul. 1991, *Phyllitido-Aceretum*: 1 ♀; Krynica (950 m), 14 Aug. 1984, mountain forest: 1 ♀; hosts: *Curculionidae*. Holarctic element.
247. *Biolyisia tristis* (GRAVENHORST, 1829). Chroberz (305 m), 13 Jul. 1987, fresh mixed forest: 1 ♀; Krynica (750 m), 29 Jun. 1984, mountain forest: 1 ♀; hosts: *Curculionidae*. Holarctic element.
248. *Napiesta mandibularis* (HOLMGREN, 1889). Kalina Wielka (320 m), 10 Jun. 1986, upland mixed forest: 1 ♀; hosts: *Noctuidae*. European element.
249. *Pyracmon sepiellum* (HOLMGREN, 1889). Kołków (250 m), 6 Jul. 1986, upland mixed forest: 1 ♀; Krynica (750 m), 24 Jun. 1985, mountain forest: 1 ♀; hosts: *Noctuidae*. Holarctic element.
250. *Spudastica robusta* (WOLDSTEDT, 1876). Bogucice (290 m), 8 Jul. 1986, mixed forest: 1 ♀; hosts: *Orthosia incerta* HUFN., *O. gracilis* DEN. et SCHIFF. (*Noctuidae*). Holarctic element.
251. *Campoletis fuscipes* (HOLMGREN, 1889). Trzy Korony (600 m), 11 Sep. 1991, *Carici-Fagetum cephalantheretosum*: 2 ♀♀; hosts: *Noctuidae*. Cosmopolitic element.
252. *Campoletis viennensis* (GRAVENHORST, 1829). Andrychów (500 m), 29 Jun. 1991, upland forest: 1 ♀; hosts: *Tortricidae*. Cosmopolitic element.
253. *Meloboris alternans* (GRAVENHORST, 1829). Klonów (385 m), 6 Jul. 1986, fresh mixed forest: 1 ♀; Krynica (750 m), 22 Aug. 1984, mountain forest: 1 ♀; hosts: *Epinitia mercuriana* FRÖL. (*Tortricidae*), *Platytes cerusellus* DEN. et SCHIFF. (*Crambidae*). European element.

254. *Dolophron pedellum* HOLMGREN, 1889. Trzy Korony (800 m), 7 Jul. 1991, *Carici-Fagetum abietetosum*: 2 ♀; hosts: *Tenthredinidae*. European element.
255. *Tranosema latiuscula* (THOMSON, 1896). Kalina Wielka (320 m), 12 Jun. 1990, upland mixed forest: 2 ♂♂; hosts: *Tenthredinidae*. European element.
256. *Macrus parvulus* GRAVENHORST, 1829. Chroberz (305 m), 13 Jul. 1987, fresh mixed forest: 2 ♂♂, 1 ♀; hosts: *Solenobia cembrella* L., *S. triquetrella* HB. (*Psychidae*). European element.
257. *Macrus filiventris* (GRAVENHORST, 1829). Madohora (920 m), 8 Jul. 1991, mountain mixed forest: 1 ♀; Krynica (950 m), 25 Jun. 1984, mountain forest: 1 ♀; hosts: *Psychidae*. European element.
258. *Tranosemella taeniopora* VIERECK, 1925. Bogucice (290 m), 8 Jul. 1986, mixed forest: 1 ♂, 1 ♀; hosts: *Coleophoridae*. Holarctic element.
259. *Diadegma laricinella* STROBL, 1901. Andrychów (450 m), 29 Jun. 1991, upland forest: 2 ♀; hosts: *Coleophoridae*. Holarctic element.
260. *Diadegma crassicornis* (GRAVENHORST, 1829). Madohora (920 m), 12 Jul. 1991, mountain mixed forest: 2 ♀; hosts: *Noctuidae*. Palaearctic element.
261. *Diadegma stagnalis* HOLMGREN, 1889. Trzy Korony (800 m), 9 Jul. 1991, *Carici-Fagetum abietetosum*: 1 ♂, 2 ♀; hosts: *Tortricidae*. Palaearctic element.
262. *Diadegma apostata* (GRAVENHORST, 1829). Kalina Wielka (320 m), 10 Jun. 1986, upland mixed forest: 1 ♀; hosts: *Tortricidae*. Palaearctic element.
263. ! *Diadegma flexa* HORSTMANN, 1980. Kołków (260 m), 8 Jul. 1987, upland mixed forest: 1 ♀; hosts: *Tortricidae*. European element.
264. ! *Diadegma germanica* HORSTMANN, 1980. Trzy Korony (600 m), 5 Jul. 1991, *Carici-Fagetum cephalantheretosum*: 2 ♀; hosts: *Psychidae*. European element.
265. *Diadegma consumptor* GRAVENHORST, 1829. Chroberz (305 m), 10 Jul. 1986, fresh mixed forest: 1 ♀; Krynica (600 m), 20 Jun. 1987, mountain forest: 1 ♀; hosts: *Psychidae*. European element.
266. *Diadegma ledicola* HORSTMANN, 1980. Bogucice (290 m), 8 Jul. 1986, mixed forest: 1 ♂, 1 ♀; hosts: *Psychidae*. European element.
267. ! *Diadegma glabricola* (HOLMGREN, 1873). Madohora (920 m), 8 Aug. 1991, mountain mixed forest: 2 ♀; hosts: *Coleophoridae*. Palaearctic element.
268. *Diadegma neomajalis* HORSTMANN, 1973. Andrychów (500 m), 29 Jun. 1992, upland forest: 2 ♀; hosts: *Coleophoridae*. European element.
269. ! *Diadegma rufigaster* HORSTMANN, 1973. Trzy Korony (600 m), 6 Jul. 1991, *Carici-Fagetum cephalantheretosum*: 2 ♀; hosts: *Psychidae*. European element.
270. *Diadegma incompleta* HORSTMANN, 1980. Klonów (380 m), 3 Jul. 1990, fresh mixed forest: 1 ♀; hosts: *Psychidae*. European element.
271. *Diadegma terebrans* (GRAVENHORST, 1829). Chroberz (305 m), 20 Jul. 1986, fresh mixed forest: 1 ♀; Krynica (750 m), 16 Jul. 1984, mountain forest: 1 ♀; hosts: *Pyraustidae*. European element.

272. *Diadegma coleophorarum* RATZEBURG, 1852. Madohora (920 m), 9 Aug. 1991, mountain mixed forest: 1 ♀; Krynica (950 m), 20 Jul. 1986, mountain forest: 1 ♀; hosts: *Plutellidae*. European element.

273. *Diadegma crassiset*a (THOMSON, 1896). Andrychów (500 m), 18 Jul. 1989, upland forest: 1 ♀; Krynica (800 m), 30 Jun. 1986, mountain forest: 1 ♀; hosts: *Plutellidae*. European element.

274. *Diadegma fenestralis* (HOLMGREN, 1889). Andrychów (460 m), 12 Jun. 1990, upland forest: 1 ♂, 3 ♀♀; hosts: *Plutellidae*. Euro-Siberian element.

275. *Lathrostizus lugens* (GRAVENHORST, 1829). Bogucice (290 m), 8 Jul. 1987, mixed forest: 1 ♀; hosts: *Tenthredinidae*. European element.

276. *Lathrostizus flexicauda* HOLMGREN, 1889. Kalina Wielka (320 m), 10 Jun. 1986, upland mixed forest: 1 ♀; hosts: *Trichiocampus viminalis* L., *Nematus reticulatus* HOLMGR. *Tenthredinidae*. European element.

277. *Lathrostizus curvicauda* HOLMGREN, 1889. Klonów (385 m), 6 Jul. 1986, fresh mixed forest: 2 ♀♀; hosts: *Tenthredinidae*. European element.

278. *Ophion areolaris* BRAUNS, 1905. Trzy Korony (550 m), 6 Jul. 1991, *Carici-Fagetum cephalantheretosum*: 1 ♀; Krynica (500 m), 20 Jun. 1984, mountain alder carr: 1 ♀; hosts: *Noctuidae*. European element.

279. *Ophion minutus* KRIECHBAUMER, 1901. Kołków (260 m), 6 Jul. 1987, upland mixed forest: 1 ♀; Krynica (600 m), 17 Jul. 1985, mountain alder carr: 1 ♀; hosts: *Noctuidae*. European element.

280. *Ophion ventricosus* GRAVENHORST, 1829. Trzy Korony (650 m), 7 Jul. 1991, *Tilio-Carpinetum*: 1 ♂, 1 ♀; Krynica (750 m), 13 Jul. 1985, mountain forest: 1 ♂; hosts: *Noctuidae*. European element.

281. *Ophion parvulus* KRIECHBAUMER, 1901. Chroberz (305 m), 19 Jul. 1987, fresh mixed forest: 2 ♀♀; Krynica (750 m), 19 Jun. 1985, mountain forest: 1 ♀; hosts: *Noctuidae*. European element.

282. *Ophion luteus* LINNAEUS, 1758. Klonów (385 m), 6 Jul. 1986, fresh mixed forest: 1 ♀; Krynica (800 m), 29 Jun. 1986, mountain forest: 1 ♀; hosts: *Noctuidae*. European element.

283. *Ophion obscuratus* FABRICIUS, 1804. Bogucice (290 m), 8 Jul. 1987, mixed forest: 1 ♂, 3 ♀♀; Krynica (750 m), 28 Jun. 1984, mountain forest: 1 ♀; hosts: *Noctuidae*. European element.

284. *Enicospilus ramidulus* LINNAEUS, 1758. Kołków (260 m), 10 Jun. 1986, upland mixed forest: 2 ♀♀; Krynica (800 m), 19 Jul. 1984, mountain forest: 1 ♀; hosts: *Noctuidae*. Euro-Siberian element.

285. *Enicospilus undulatus* (GRAVENHORST, 1829). Klonów (385 m), 6 Jul. 1986, fresh mixed forest: 1 ♀; hosts: *Lasiocampidae*. European element.

286. *Enicospilus repentinus* (HOLMGREN, 1889). Kalina Wielka (320 m), 10 Jun. 1986, upland mixed forest: 1 ♀; Krynica (750 m), 17 Jul. 1984, mountain forest: 1 ♀; hosts: *Lasiocampidae*. Euro-Siberian element.

287. *Enicospilus inflexus* (RATZEBURG, 1852). Chroberz (305 m), 20 Jul. 1987, fresh mixed forest: 1 ♂; Krynica (750 m), 29 Jun. 1985, mountain forest: 1 ♂; hosts: *Lasiocampidae*. Euro-Siberian element.

288. *Anomalon foliator* (FABRICIUS, 1804). Trzy Korony (600 m), 10 Jul. 1991, *Carici-Fagetumcephalantheretosum*: 2 ♀♀; Krynica (500 m), 25 Jun. 1984, mountain alder carr: 1 ♀; hosts: *Opatrum sabulosum* L., *Gonocephalum pusillum* F., *Pedinus femoralis* L., (*Tenebrionidae*). Euro-Siberian element.

289. *Therion brevicorne* (GRAVENHORST, 1829). Trzy Korony (650 m), 6 Jul. 1991, *Tilio-Carpinetum*: 1 ♂, 2 ♀♀; Krynica (750 m), 29 Jun. 1985, mountain forest: 1 ♂; hosts: *Cuculia scrophulariae* DEN. et SCHIFF., *C. verbasci* L., *Acronicta euphorbiae* DEN. et SCHIFF. (*Noctuidae*). Euro-Asiatic element.

290. *Therion circumflexum* (LINNAEUS, 1758). Andrychów (500 m), 23 Jun. 1988, upland forest: 1 ♂, 2 ♀♀; Krynica (750 m), 27 Jun. 1985, mountain forest: 1 ♂, 1 ♀; hosts: *Sphinx pinastri* L., *S. ligustri* L. (*Sphingidae*), *Odontotia ziczac* L. (*Notodontidae*), *Lasiocampidae*, *Noctuidae*. Holarctic element.

291. *Heteropelma calcator* WESMAEL, 1844. Kalina Wielka (320 m), 8 Jun. 1986, upland mixed forest: 2 ♀♀; Krynica (800 m), 21 Jun. 1985, mountain forest: 1 ♀; hosts: *Bupalus piniarius* L. (*Geometridae*), *Panolis flammea* DEN. et SCHIFF., *Anarta myrtili* L., *Bena fagana* F. (*Noctuidae*). Palearctic element.

292. *Heteropelma amictum* FABRICIUS, 1798. Bogucice (290 m), 8 Jul. 1987, mixed forest: 1 ♂, 1 ♀; Krynica (750 m), 22 Jun. 1984, mountain forest: 1 ♂; hosts: *Sphingidae*, *Phalera bucephala* L. (*Notodontidae*), *Geometridae*, *Thaumetopoeidae*, *Lymantriidae*, *Noctuidae*, *Arctiidae*. Euro-Asiatic element.

293. *Trichomma enecator* ROSSI, 1849. Kołków (260 m), 10 Jun. 1989, upland mixed forest: 13 ♀♀; Krynica (800 m), 16 Jul. 1985, mountain forest: 18 ♀♀; hosts: *Psychidae*, *Tortrix viridana* L., *Acleris hastiana* L. (*Tortricidae*), *Lymantriidae*, *Noctuidae*. Palearctic element.

294. *Trichomma occisor* HABERMEHL, 1902. Klonów (385 m), 6 Jul. 1986, fresh mixed forest: 1 ♂, 20 ♀♀; Krynica (850 m), 19 Jun. 1985, mountain mixed forest: 9 ♀♀; hosts: *Tortricidae*, *Noctuidae*. Palearctic element.

295. *Trichomma fulvidens* WESMAEL, 1859. Trzy Korony (600 m), 6 Jul. 1991, *Tilio-Carpinetum*: 1 ♀; Krynica (900 m), 28 Jun. 1985, mountain forest: 1 ♀; hosts: *Noctuidae*. Palearctic element.

296. *Habronyx heros* (WESMAEL, 1859). Kalina Wielka (320 m), 10 Jun. 1986, upland mixed forest: 1 ♀; hosts: *Dendrolimus pini* L., *Pachypasa otus* DRURY (*Lasiocampidae*), *Sphingidae*. Palearctic element.

297. *Camposcopus perspicuus* (WESMAEL, 1844). Chroberz (305 m), 20 Jul. 1987, fresh mixed forest: 1 ♀; Krynica (950 m), 18 Jul. 1984, mountain forest: 1 ♀; hosts: *Geometridae*. Palearctic element.

298. *Aphanistes armatus* WESMAEL, 1859. Chroberz (305 m), 18 Jul. 1990, fresh mixed forest: 1 ♀; Krynica (800 m), 20 Jul. 1985, mountain forest: 1 ♀; hosts: *Sphingidae*, *Geometridae*, *Agrotis ripae* HB., *Cuculia lychnitis* RAMB. (*Notodontidae*). Euro-Caucasian element.

299. *Aphanistes ruficornis* GRAVENHORST, 1829. Bogucice (290 m), 8 Jul. 1990, mixed forest: 1 ♂; Krynica (750 m), 15 Jul. 1985, mountain forest: 1 ♀; hosts: *Sphingidae*, *Lymantria monacha* L. (*Lymantriidae*), *Bena fagana* F. (*Noctuidae*), *Arctiidae*. Euro-Caucasian element.
300. *Aphanistes megasoma* HEINRICH, 1930. Kołków (260 m), 10 Jul. 1988, upland mixed forest: 1 ♂, 1 ♀; Krynica (800 m), 20 Jun. 1985, mountain forest: 1 ♀; hosts: *Sphingidae*. Euro-Caucasian element.
301. *Erigorgus fibulator* GRAVENHORST, 1829. Trzy Korony (650 m), 6 Jul. 1991, *Tilio-Carpinetum*: 1 ♀; Krynica (900 m), 23 Jun. 1985, mountain forest: 1 ♀; hosts: *Zygaenidae*, *Malacosoma castrensis* L. (*Lasiocampidae*), *Diloba caeruleocephala* L. (*Notodontidae*). Euro-Caucasian element.
302. *Erigorgus leucopus* SZÉPLIGETI, 1900. Trzy Korony (600 m), 10 Jul. 1991, *Carici-Fagetum cephalantheretosum*: 1 ♀; Krynica (750 m), 22 Jun. 1984, mountain forest: 1 ♀; hosts: *Noctuidae*. Euro-Caucasian element.
303. *Erigorgus biguttatus* GRAVENHORST, 1829. Klonów (385 m), 6 Jul. 1990, fresh mixed forest: 1 ♂, 1 ♀; Krynica (750 m), 23 Jun. 1985, mountain forest: 1 ♂; hosts: *Bupalus piniarius* L. (*Geometridae*), *Noctuidae*. Palearctic element.
304. *Erigorgus cerinops* GRAVENHORST, 1829. Madohora (900 m), 8 Aug. 1991, mountain mixed forest: 2 ♂♂; Krynica (950 m), 19 Jun. 1984, mountain forest: 1 ♀; hosts: *Noctuidae*. Palearctic element.
305. *Barylypa amabilis* (TOSQUINET, 1903). Andrychów (500 m), 29 Jun. 1991, upland forest: 1 ♂, 1 ♀; Krynica (750 m), 24 Jun. 1985, mountain forest: 1 ♂; hosts: *Lymantriidae*, *Spodoptera exiqua* HB. (*Noctuidae*). Palearctic element.
306. *Barylypa longicornis* BRAUNS, 1905. Chroberz (305 m), 19 Jul. 1987, fresh mixed forest: 1 ♀; Krynica (850 m), 29 Jun. 1985, mountain forest: 1 ♀; hosts: *Notodontidae*. Palearctic element.
307. *Barylypa delictor* THUNBERG, 1824. Kalina Wielka (320 m), 10 Jun. 1986, upland mixed forest: 1 ♀; Krynica (800 m), 28 Jun. 1985, mountain forest: 1 ♀; hosts: *Thaumetopoeidae*, *Lasiocampidae*, *Lymantriidae*, *Noctuidae*. Palearctic element.
308. *Trichionotus anxius* (WESMAEL, 1859). Madohora (920 m), 10 Jun. 1990, mountain mixed forest: 1 ♂, 1 ♀; Krynica (950 m), 16 Jul. 1985, mountain forest: 1 ♂; hosts: *Tortricidae*, *Yponomeutidae*. Palearctic element.
309. *Trichionotus flexorius* THUNBERG, 1822. Trzy Korony (600 m), 10 Jul. 1991, *Carici-Fagetum cephalantheretosum*: 1 ♂, 1 ♀; Krynica (750 m), 26 Jun. 1985, mountain forest: 1 ♀; hosts: *Tortricidae*. Palearctic element.
310. *Trichionotus delarvatus* GRAVENHORST, 1829. Kołków (260 m), 8 Jul. 1990, upland mixed forest: 1 ♀; Krynica (800 m), 21 Jun. 1984, mountain forest: 1 ♀; hosts: *Hesperiidae*. Palearctic element.
311. *Parania geniculata* HOLMGREN, 1855. Madohora (900 m), 12 Jul. 1991, mountain mixed forest: 1 ♂, 2 ♀♀; Krynica (950 m), 27 Jun. 1984, mountain forest: 1 ♀; hosts: *Noctuidae*. Palearctic element.

312. ! *Atrometus insignis* (FOERSTER, 1876). Trzy Korony (600 m), 5 Jul. 1991, *Carici-Fagetum cephalantheretosum*: 1 ♀; Krynica (500 m), 16 Jul. 1984, mountain alder carr: 1 ♀; hosts: *Pachytelia villosella* OCHS. (*Psychidae*), *Zygaena carniolica* SCOP., *Z. laeta* HB. (*Zygaenidae*). Palaearctic element.

Metopiinae

313. *Chorineus talpa* (HALIDAY, 1939). Andrychów (500 m), 27 Jun. 1991, upland forest: 2 ♀♀; Krynica (750 m), 28 Jun. 1985, mountain forest: 1 ♀; hosts: *Gracillariidae*, *Tortricidae*. Euro-Asiatic element.

314. *Chorineus flavipes* BRIDGMAN, 1881. Trzy Korony (650 m), 3 Aug. 1992, *Tilio-Carpinetum*: 1 ♀; Krynica (800 m), 19 Jun. 1985, mountain forest: 1 ♀; hosts: *Tortricidae*. Euro-Asiatic element.

315. *Chorineus australis* THOMSON, 1896. Klonów (385 m), 8 Jul. 1987, fresh mixed forest: 1 ♀; Krynica (750 m), 23 Jun. 1985, mountain forest: 1 ♂; hosts: *Geometridae*. Euro-Siberian element.

316. *Chorineus funebris* (GRAVENHORST, 1829). Bogucice (290 m), 8 Jul. 1987, mixed forest: 1 ♀; hosts: *Tortricidae*, *Teleia saltuum* Z. (*Gelechiidae*), *Eupithecia nanata* HB. (*Geometridae*). Holarctic element.

317. *Trieces tricarinatus* HOLMGREN, 1856. Madohora (920 m), 5 Aug. 1991, mountain mixed forest: 1 ♀; Krynica (950 m), 18 Jun. 1985, mountain forest: 2 ♂♂; hosts: *Tortricidae*, *Yponomeutidae*, *Agonopterix scopariella* HEIN. (*Oecophoridae*). Euro-Caucasian element.

318. *Metopius pinatorius* BRULLÉ, 1846. Chroberz (305 m), 20 Jul. 1987, fresh mixed forest: 1 ♂, 1 ♀; hosts: *Attacidae*, *Notodontidae*, *Malacosoma neustrium* L. (*Lasiocampidae*), *Noctuidae*. Euro-Siberian element.

319. ! *Metopius dissectorius* PANZER, 1805. Klonów (385 m), 6 Jul. 1987, fresh mixed forest: 2 ♂♂; Krynica (750 m), 22 Jun. 1985, mountain forest: 1 ♂; hosts: *Biston betularius* L. (*Geometridae*), *Simyra albovenosa* GOEZE (*Noctuidae*). Euro-Asiatic element.

320. ! *Triclistus areolatus* THOMSON, 1887. Chroberz (305 m), 21 Jul. 1987, fresh mixed forest: 2 ♀♀; Krynica (750 m), 21 Jun. 1984, mountain forest: 1 ♀; hosts: *Earias chlorana* L., *E. vernana* HB. (*Noctuidae*). Euro-Siberian element.

321. ! *Triclistus spiracularis* THOMSON, 1887. Madohora (920 m), 9 Aug. 1991, mountain mixed forest: 2 ♀♀; Krynica (950 m), 16 Jun. 1985, mountain forest: 1 ♀; hosts: *Chloroclystis coronata* HB., *Eupithecia trisignaria* H.-S. (*Geometridae*). Euro-Siberian element.

322. *Triclistus pallipes* (HOLMGREN, 1873). Chroberz (305 m), 19 Jun. 1987, fresh mixed forest: 1 ♀; hosts: *Strophedra weirana* DGL., *Rhopobota naevana* HB. (*Tortricidae*). Holarctic element.

323. *Triclistus pygmaeus* (CRESSON, 1864). Kołków (260 m), 6 Jul. 1986, upland mixed forest: 2 ♀♀; hosts: *Archips rosana* L., *Strophedra weirana* DGL. (*Tortricidae*). Holarctic element.

324. *Triclistus niger* BRIDGMAN, 1883. Trzy Korony (800 m), 10 Jul. 1991, *Phyllitido-Aceretum*: 1 ♂, 1 ♀; Krynica (900 m), 21 Jun. 1985, mountain forest: 1 ♀; hosts: *Tortricidae*. Euro-Caucasian element.

325. ! *Triclistus aethiops* (GRAVENHORST, 1829). Andrychów (450 m), 29 Jun. 1988, upland forest: 1 ♂, 1 ♀; hosts: *Lathronympha strigana* F. (*Tortricidae*), *Agonopterix alpigena* FREY, *A. hypericella* HB. (*Oecophoridae*). European element.

326. *Triclistus albicinctus* THOMSON, 1887. Bogucice (290 m), 8 Jul. 1987, mixed forest: 1 ♂, 1 ♀; Krynica (750 m), 28 Jun. 1985, mountain forest: 1 ♀; hosts: *Zeirafera isertana* F., *Tortrix viridana* L. (*Tortricidae*). European element.

327. ! *Periope longiceps* BAUER, 1968. Kalina Wielka (320 m), 10 Jun. 1986, upland mixed forest: 1 ♂, 1 ♀; hosts: *Tortricidae*. Euro-Asiatic element.

328. *Spudeus scaber* (GRAVENHORST, 1829). Chroberz (305 m), 18 Jul. 1986, fresh mixed forest: 1 ♂, 1 ♀; hosts: *Noctuidae*. Holarctic element.

329. ! *Apolophus borealis* TOWNES, 1971. Andrychów (500 m), 18 Jul. 1989, upland forest: 1 ♀; Krynica (750 m), 22 Jun. 1985, mountain forest: 1 ♀; hosts: *Noctuidae*. Holarctic element.

330. ! *Ischyrocnemis quadridens* PERKINS, 1962. Trzy Korony (650 m), 10 Jul. 1991, *Tilio-Carpinetum*: 2 ♂♂; hosts: *Tortricidae*. European element.

331. ! *Lapton femoralis* NESS, 1816. Trzy Korony (600 m), 9 Jul. 1991, *Carici-Fagetum cephalantheretosum*: 2 ♀♀; hosts: *Tortricidae*. European element.

332. ! *Exochus pictus* HOLMGREN, 1856. Madohora (800 m), 8 Jul. 1991, mountain mixed forest: 1 ♂, 1 ♀; hosts: *Noctuidae*. Holarctic element.

333. *Exochus gravipes* GRAVENHORST, 1820. Andrychów (500 m), 29 Jun. 1988, upland forest: 1 ♂; Krynica (750 m), 29 Jun. 1984, mountain forest: 1 ♀; hosts: *Tortricidae*. Holarctic element.

334. *Exochus lentipes* GRAVENHORST, 1829. Trzy Korony (800 m), 5 Jul. 1991, *Carici-Fagetum abietetosum*: 1 ♀; Krynica (800 m), 24 Jun. 1985, mountain forest: 1 ♀; hosts: *Noctuidae*. European element.

335. ! *Exochus separandus* SCHMIEDEKNECHT, 1924. Chroberz (305 m), 19 Jul. 1987, fresh mixed forest: 1 ♂, 2 ♀♀; hosts: *Noctuidae*. European element.

Mesochorinae

336. *Cidaphus alarius* (GRAVENHORST, 1829). Kalina Wielka (320 m), 8 Jun. 1986, upland mixed forest: 1 ♂; Krynica (750 m), 18 Aug. 1986, mountain forest: 1 ♀; hosts: *Braconidae*. European element.

337. *Astiphromma varipes* (HOLMGREN, 1858). Trzy Korony (600 m), 10 Jul. 1991, *Carici-Fagetum cephalantheretosum*: 1 ♀; Krynica (950 m), 24 Jun. 1984, mountain forest: 1 ♀; hosts: *Braconidae*. European element.

338. ! *Astiphromma pictum* (BRISCHKE, 1880). Trzy Korony (650 m), 6 Jul. 1991, *Tilio-Carpinetum*: 1 ♂; 1 ♀; hosts: *Notodontidae*. European element.

339. *Astiphromma striatum* (BRISCHKE, 1880). Trzy Korony (800 m), 3 Jul. 1992, *Phyllitido-Aceretum*: 1 ♂; Krynica (950 m), 22 Jul. 1986, mountain forest: 1 ♀; hosts: *Yponomeutidae*. European element.

340. *Mesochorus stigmator* THUNBERG, 1822. Madohora (920 m), 10 Jul. 1991, mountain mixed forest: 1 ♀; Krynica (950 m), 22 Jul. 1984, mountain forest: 1 ♂; hosts: *Yponomeutidae*. European element.

341. *Mesochorus tuberculiger* THOMSON, 1887. Madohora (920 m), 12 Jul. 1991, mountain mixed forest: 1 ♂, 1 ♀; Krynica (950 m), 16 Jun. 1985, mountain forest: 1 ♂; hosts: *Loxostege sticticalis* L. (*Pyraustidae*), *Pieris brassicae* L. (*Pieridae*). European element.

342. *Mesochorus brevicollis* THOMSON, 1885. Trzy Korony (650 m), 10 Jun. 1991, *Tilio-Carpinetum*: 1 ♀; Krynica (800 m), 17 Jun. 1985, mountain forest: 2 ♀♀; hosts: *Tortricidae*. European element.

343. *Mesochorus temporalis* THOMSON, 1887. Kalina Wielka (312 m), 8 Jun. 1986, upland mixed forest: 1 ♀; Krynica (750 m), 13 Jul. 1985, mountain forest: 1 ♂; hosts: *Braconidae*, *Yponomeutidae*, *Zygaena lipendulae* L. (*Zygaenidae*). European element.

344. *Mesochorus testaceus* GRAVENHORST, 1829. Kołków (385 m), 9 Jul. 1987, upland mixed forest: 1 ♀; Krynica (750 m), 12 Jul. 1985, mountain forest: 1 ♀; hosts: *Geometridae*. European element.

345. *Mesochorus pallipes* BRISCHKE, 1894. Madohora (920 m), 9 Jul. 1991, mountain mixed forest: 1 ♂, 1 ♀; Krynica (950 m), 24 Jun. 1984, mountain forest: 1 ♂; hosts: *Yponomeuta variabilis* ZELLG., *Y. padellus* (*Yponomeutidae*), *Euproctis chrysorrhoea* L. (*Orgyidae*), *Braconidae*. European element.

346. *Mesochorus ruficornis* BRISCHKE, 1882. Madohora (900 m), 8 Aug. 1992, mountain mixed forest: 1 ♀; Krynica (950 m), 19 Jun. 1985, mountain forest: 1 ♀; hosts: *Yponomeuta cognatellus* HB., *Y. mahalebella* GUENÉE (*Yponomeutidae*). European element.

347. *Mesochorus ocellatus* BRISCHKE, 1882. Klonów (385 m), 6 Jul. 1987, fresh mixed forest: 1 ♂; Krynica (900 m), 22 Jun. 1985, mountain forest: 1 ♂; hosts: *Yponomeutidae*. European element.

348. *Mesochorus femoralis* BRISCHKE, 1894. Klonów (385 m), 6 Jul. 1986, fresh mixed forest: 1 ♀; Krynica (950 m), 21 Jun. 1985, mountain forest: 1 ♂; hosts: *Yponomeutidae*. European element.

Acaenitinae

349. *Coleocentrus soldanskii* BISCHOFF, 1932. Chroberz (305 m), 19 Jul. 1986, fresh mixed forest: 2 ♀♀; Krynica (750 m), 29 Jun. 1985, mountain forest: 1 ♀; hosts: *Cerambycidae*, *Siricidae*. Holarctic element.

350. *Coleocentrus caligatus* GRAVENHORST, 1829. Bogucice (290 m), 8 Jul. 1987, mixed forest: 2 ♂♂, 3 ♀♀; Krynica (750 m), 21 Jul. 1984, mountain forest: 1 ♂; hosts: ! *Callidium aeneum* L., ! *C. violaceum* L., *Tetropium castaneum* L. (*Cerambycidae*). Holarctic element.

351. *Coleocentrus excitator* PODA, 1829. Chroberz (305 m), 21 Jul. 1987, fresh mixed forest: 3 ♀♀; Krynica (750 m), 18 Jul. 1985, mountain forest: 1 ♀; hosts: *Ergates faber* L., *Monochamus sutor* L. (*Cerambycidae*), *Urocerus gigas* L., *U. phantoma* F. (*Siricidae*). Holarctic element.

352. *Coleocentrus croceicornis* GRAVENHORST, 1829. Kołków (269 m), 7 Jul. 1988, upland mixed forest: 2 ♀♀; Krynica (750 m), 23 Jun. 1985, mountain forest: 2 ♀♀; hosts: *Siricidae*. Holarctic element.

353. *Phaenolobus terebrator* (SCOPOLI, 1763). Kalina Wielka (320 m), 10 Jun. 1987, upland mixed forest: 1 ♀; Krynica (600 m), 21 Jun. 1985, mountain alder carr: 1 ♀; hosts: *Oberea linearis* L. (*Cerambycidae*), *Aegeria formiceformis* ESP., *A. spheciformis* DEN. et SCHIFF. (*Aegeriidae*). Palaearctic element.

Microleptinae

354. *Aniseres pallipes* FOERSTER, 1976. Andrychów (450 m), 29 Jun. 1989, upland forest: 1 ♀; Krynica (750 m), 20 Jun. 1985, mountain forest: 1 ♀; hosts: *Mycetophilidae*. Holarctic element.

Orthocentrinae

355. *Orthocentrus protervus* HOLMGREN, 1855. Bogucice (290 m), 8 Jul. 1987, mixed forest: 1 ♀; Stolarzówka (650 m), 3 Aug. 1992, meadow: 1 ♀; hosts: *Mycetophilidae*. Holarctic element.

356. *Woldstedtius abominator* (BRIDGMAN, 1886). Madohora (900 m), 9 Aug. 1991, mountain mixed forest: 1 ♀; Krynica (950 m), 12 Jul. 1984, mountain forest: 1 ♀; hosts: *Syrphidae*. Holarctic element.

Ichneumoninae

357. *Alomya semiflava* STEPHENS, 1835. Krynica (750 m), 28 Jun. 1989, mountain forest: 1 ♀; P. SZWAŁKO leg.; hosts: *Lepidoptera*. Palaearctic element.

358. *Alomya debellator* (FABRICIUS, 1802). Chroberz (305 m), 21 Jul. 1986, fresh mixed forest: 1 ♂, 1 ♀; Krynica (750 m), 22 Jun. 1988, mountain forest: 1 ♀; hosts: *Hepialus humuli* L., *Korscheltellus lupulinus* L. (*Hepialidae*). European element.

359. *Rhexidermus debilis* (GRAVENHORST, 1829). Kołków (269 m), 7 Jul. 1988, upland mixed forest: 1 ♀; Krynica (750 m), 27 Jun. 1988, mountain forest: 1 ♀; M. WITRYŁAK leg. hosts: (*Hepialidae*). European element.

360. *Rhexidermus nigricollis* WESMAEL, 1859. Bogucice (290 m), 8 Jul. 1987, mixed forest: 1 ♀; Krynica (750 m), 26 Jun. 1987, mountain forest: 1 ♀; hosts: *Pterophoridae*. Euro-Siberian element.

361. *Rhexidermus tineidarum* GIRAUD, 1872. Chroberz (305 m), 19 Jul. 1987, fresh mixed forest: 1 ♀; Krynica (750 m), 29 Jun. 1988, mountain forest: 1 ♀; hosts: *Oecophoridae*, *Talaeporia politella* OCHS., *T. tubulosa* RETR. (*Psychidae*), *Yponomeutidae*. European element.

362. *Heterischnus rufipes* WESMAEL, 1859. Kalina Wielka (320 m), 10 Jun. 1986, upland mixed forest: 1 ♂; Krynica (750 m), 29 Jun. 1989, mountain mixed forest: 2 ♀♀; hosts: *Psychidae*. European element.

363. *Dicaelotus pumilus* GRAVENHORST, 1829. Andrychów (500 m), 15 Jun. 1989, upland forest: 1 ♀; Krynica (800 m), 21 Jun. 1986, mountain forest: 1 ♀; hosts: *Agonopterix nervosa* HW. (*Oecophoridae*), *Gelechia plantaginella* STT. (*Gelechiidae*). Holarctic element.

364. *Dicaelotus inflexus* THOMSON, 1896. Madohora (920 m), 10 Aug. 1991, mountain mixed forest: 1 ♀; Krynica (750 m), 28 Jun. 1989, mountain forest: 1 ♀; hosts: *Oecophoridae*. European element.

365. *Dicaelotus gravis* GRAVENHORST, 1829. Andrychów (500 m), 3 Jul. 1988, upland forest: 1 ♀; Krynica (900 m), 27 Jun. 1988, mountain forest: 1 ♀; D. KUBISZ leg. Hosts: *Gelechiidae*. European element.

366. *Colpognathus divisus* THOMSON, 1873. Bogucice (290 m), 8 Jul. 1987, mixed forest: 1 ♂, 2 ♀♀; hosts: *Oecophoridae*. European element.

367. *Colpognathus divisus* THOMSON, 1873. Przełęcz Dukielska (500 m), 23 Mar. 1991, mountain forest: 1 ♂, ♀; D. KUBISZ leg. Hosts: *Oecophoridae*. European element.

368. *Centeterus opprimator* GRAVENHORST, 1829. Madohora (920 m), 10 Aug. 1992, mountain mixed forest: 1 ♀; Krynica (950 m), 23 Jun. 1985, mountain forest: 1 ♀; hosts: *Argyresthiidae*. European element.

369. ! *Herpestomus phaeocerus* WESMAEL, 1859. Tuczapy (200 m), 6 May 1988, meadow: 2 ♀♀; A. KOSIOR leg.; hosts: *Argyresthiidae*. European element.

370. *Herpestomus furunculus* WESMAEL, 1859. Bogucice (290 m), 10 Jun. 1988, mixed forest: 1 ♀; Krynica (750 m), 29 Jun. 1986, mountain forest: 1 ♀; hosts: *Eupoecilia ambiguella* HB., *Lobesia botrana* DEN. et SCHIFF. (*Tortricidae*). European element.

371. ! *Stenodontus biguttatus* (GRAVENHORST, 1829). Puszcza Niepołomska (193 m), 9 Mar. 1991, fresh mixed forest: 3 ♀♀; P. SZWAŁKO leg. Krynica (600 m), 16 Jul. 1986, mountain alder carr: 1 ♀; hosts: *Tortricidae*. Palearctic element.

372. *Diadromus candidatus* GRAVENHORST, 1829. Chroberz (305 m), 19 Jul. 1988, fresh mixed forest: 1 ♀; Krynica (750 m), 24 Jun. 1986, mountain forest: 1 ♀; hosts: *Tortricidae*. European element.

373. ! *Diadromus albinotatus* GRAVENHORST, 1829. Klonów (385 m), 6 Jun. 1988, fresh mixed forest: 1 ♀; hosts: *Tortricidae*. European element.

374. *Diadromus intermedius* WESMAEL, 1859. Trzy Korony (800 m), 11 Sep. 1992, *Carici-Fagetum abietetosum*: 1 ♀; Krynica (950 m), 24 Jun. 1984, mountain forest: 1 ♀; hosts: *Plutellidae*. European element.

375. ! *Aethecerus nitidus* WESMAEL, 1859. Kalina Wielka (320 m), 8 Jun. 1988, upland mixed forest: 1 ♀; Krynica (750 m), 18 Aug. 1989, mountain forest: 1 ♀; hosts: *Cosmia diffinis* L. (*Noctuidae*), *Depressaria depressella* HB. (*Oecophoridae*). European element.

376. *Aethecerus discolor* WESMAEL, 1844. Kalina Wielka (320 m), 10 Jun. 1986, upland mixed forest: 1 ♂, 1 ♀; Krynica (750 m), 22 Jun. 1990, mountain forest: 1 ♂; hosts: *Aegeriidae*. European element.

377. *Proscus cephalotes* WESMAEL, 1844. Bogucice (290 m), 6 Jul. 1988, mixed forest: 1 ♀; Krynica (750 m), 15 Jul. 1989, mountain forest: 1 ♀; hosts: *Tortricidae*, *Aegeriidae*. European element.
378. *Proscus elongatus* THOMSON, 1896. Trzy Korony (600 m), 11 Jun. 1991, *Tilio-Carpinetum*: 1 ♀; Krynica (750 m), 12 Aug. 1989, mountain forest: 1 ♂, 1 ♀; hosts: *Tortricidae*. European element.
379. ! *Baeosemus mitigosus* GRAVENHORST, 1829. Madohora (920 m), 8 Aug. 1992, mountain mixed forest: 1 ♀; Krynica (950 m), 30 Jul. 1990, mountain forest: 1 ♀; hosts: *Tortricidae*. European element.
380. *Phaeogenes maculicornis* STEPHENS, 1835. Kostrze (210 m), 24 Aug. 1991, meadow: 1 ♀; A. KOSIOR leg.; hosts: *Tortricidae*. European element.
381. *Phaeogenes semivulpnis* GRAVENHORST, 1829. Bogucice (290 m), 6 Jun. 1989, mixed forest: 1 ♀; Krynica (750 m), 20 Jun. 1990, mountain forest: 1 ♀; hosts: *Archips rosana* L., *Tortrix viridana* L., *Croesia bergmanniana* L. (*Tortricidae*). Euro-Siberian element.
382. *Phaeogenes socialis* RATZEBURG, 1848. Trzy Korony (800 m), 5 Jul. 1992, *Carici-Fagetum abietetosum*: 1 ♀; Krynica (950 m), 21 Jun. 1990, mountain forest: 1 ♀; hosts: *Psyche viciella* DEN. et SCHIFF., *Fumea casta* PALL. (*Psychidae*). European element.
383. *Phaeogenes septentrionalis* HOLMGREN, 1889. Andrychów (500 m), 29 Jun. 1990, upland forest: 1 ♀; Krynica (900 m), 8 Aug. 1990, mountain forest: 1 ♀; hosts: *Psychidae*. European element.
384. *Phaeogenes eques* WESMAEL, 1844. Klonów (385 m), 7 Jul. 1987, fresh mixed forest: 1 ♀; Krynica (750 m), 9 Aug. 1991, mountain forest: 1 ♀; hosts: *Tortricidae*. European element.
385. *Phaeogenes modestus* WESMAEL, 1859. Bogucice (290 m), 8 Jul. 1988, mixed forest: 1 ♀; Krynica (750 m), 19 Jun. 1987, mountain forest: 1 ♀; hosts: *Tortricidae*. European element.
386. *Phaeogenes fuscicornis* WESMAEL, 1859. Chroberz (305 m), 19 Jul. 1990, fresh mixed forest: 1 ♂; Krynica (750 m), 7 Aug. 1990, mountain forest: 1 ♀; hosts: *Tortricidae*. Euro-Caucasian element.
387. *Phaeogenes stipator* WESMAEL, 1859. Bogucice (290 m), 12 Jul. 1987, mixed forest: 1 ♀; Krynica (750 m), 10 Aug. 1992, mountain forest: 1 ♀; hosts: *Orthotaelia sparganella* THUNB. (*Plutellidae*), *Depresaria ultimella* STT. (*Oecophoridae*). European element.
388. *Phaeogenes rusticatus* WESMAEL, 1859. Klonów (385 m), 6 Jul. 1989, fresh mixed forest: 1 ♀; Krynica (750 m), 14 Aug. 1992, mountain forest: 2 ♂♂; hosts: *Tortricidae*. European element.
389. *Cyclolabus nigricollis* WESMAEL, 1844. Chroberz (305 m), 21 Jul. 1990, fresh mixed forest: 1 ♀; Krynica (750 m), 14 Jul. 1990, mountain forest: 1 ♀; hosts: *Pterophoridae*. Euro-Caucasian element.
390. *Rhyssolabus bassicus* TISCHBEIN, 1868. Madohora (920 m), 10 Jun. 1991, mountain mixed forest: 1 ♂, 1 ♀; Krynica (950 m), 3 Aug. 1990, mountain forest: 1 ♂; hosts: *Pterophoridae*. European element.

391. *Pristicerops laetepicus* COSTA, 1888. Trzy Korony (800 m), 10 Jul. 1991, *Carici-Fagetum abietetosum*: 1 ♀; Krynica (900 m), 8 Aug. 1990, mountain forest: 1 ♀; hosts: *Geometridae*. European element.
392. *Asthenolabus latiscapus* THOMSON, 1873. Madohora (920 m), 5 Jul. 1991, mountain mixed forest: 1 ♀; Krynica (950 m), 5 Aug. 1990, mountain forest: 1 ♀; hosts: *Geometridae*. Holarctic element.
393. *Asthenolabus vitratorius* GRAVENHORST, 1829. Trzy Korony (800 m), 10 Jul. 1991, *Phyllitido-Aceretum*: 1 ♀; Krynica (850 m), 28 Jun. 1986, mountain forest: 1 ♂; hosts: *Geometridae*. Holarctic element.
394. *Asthenolabus stali* HOLMGREN, 1858. Klonów (385 m), 7 Jul. 1987, fresh mixed forest: 1 ♂, 1 ♀; Krynica (750 m), 12 Aug. 1984, mountain forest: 1 ♀; M. SKRZYPCZYŃSKA leg.; hosts: *Geometridae*. Holarctic element.
395. *Platylabus nigrocyanus* GRAVENHORST, 1829. Chroberz (305 m), 20 Jul. 1987, fresh mixed forest: 1 ♂, 2 ♀♀; Krynica (800 m), 15 Aug. 1988, mountain forest: 1 ♂; hosts: *Bupalus piniarius* L. (*Geometridae*), *Panolis flammea* DEN. et SCHIFF., *Plusia festucae* (*Noctuidae*). Holarctic element.
396. *Platylabus rufus* WESMAEL, 1859. Bogucice (290 m), 6 Jul. 1988, mixed forest: 1 ♀; hosts: *Geometridae*. Holarctic element.
397. *Platylabus tenuicornis* GRAVENHORST, 1829. Andrychów (500 m), 29 Jul. 1991, upland forest: 2 ♂♂, 1 ♀; Krynica (750 m), 14 Aug. 1986, mountain forest: 1 ♂; hosts: *Geometridae*. Holarctic element.
398. *Platylabus rufiventris* WESMAEL, 1859. Chroberz (305 m), 19 Jul. 1987, fresh mixed forest: 2 ♀♀; Krynica (800 m), 12 Aug. 1984, mountain forest: 1 ♀; J. STARZYK leg.; hosts: *Semiothisa liturata* CL., *Itame wauaria* L. (*Geometridae*). Holarctic element.
399. *Platylabus vibratorius* THUNBERG, 1784. Bogucice (290 m), 6 Jul. 1988, mixed forest: 1 ♂, 1 ♀; hosts: *Bupalus piniarius* L., *Thera juniperata* L. (*Geometridae*). Holarctic element.
400. *Platylabus dolorosus* GRAVENHORST, 1829. Kołków (260 m), 7 Jul. 1987, upland mixed forest: 2 ♂♂, 1 ♀; Krynica (800 m), 12 Aug. 1984, mountain forest: 1 ♀; hosts: *Geometridae*. Holarctic element.
401. *Eurylabus larvatus* CHRIST, 1857. Bogucice (290 m), 9 Jul. 1987, mixed forest: 2 ♀♀; Krynica (750 m), 14 Aug. 1984, mountain forest: 1 ♀; hosts: *Cerura vinula* L., *Stauropus fagi* L. (*Notodontidae*). Palearctic element.
402. *Pseudoplatylabus violentus* GRAVENHORST, 1829. Madohora (920 m), 12 Jul. 1991, mountain mixed forest: 1 ♀; hosts: *Notodontidae*. Holarctic element.
403. *Cratichneumon dissimilis* GRAVENHORST, 1829. Chroberz (305 m), 19 Jul. 1987, fresh mixed forest: 2 ♀♀; hosts: *Bupalus piniarius* L., (*Geometridae*), *Panolis flammea* DEN. et SCHIFF., (*Noctuidae*). Holarctic element.
404. *Cratichneumon sicarius* WESMAEL, 1859. Klonów (385 m), 8 Jul. 1989, fresh mixed forest: 1 ♂, 2 ♀♀; Krynica (850 m), 15 Jul. 1988, mountain forest: 4 ♂♂, 2 ♀♀; hosts: *Geometridae*, *Lithosiidae*, *Lymantriidae*, *Sphingidae*. Holarctic element.
405. *Cratichneumon luteiventris* GRAVENHORST, 1829. Kołków (260 m), 8 Jul. 1987, upland mixed forest: 2 ♀♀; hosts: *Notodontidae*, *Geometridae*. Holarctic element.

406. *Cratichneumon albifrons* (STEPHENS, 1835). Trzy Korony (800 m), 10 Jul. 1991, *Carici-Fagetum abietetosum*: 2 ♀♀; hosts: *Notodontidae*. Holarctic element.
407. *Cratichneumon semirufus* GRAVENHORST, 1829. Andrychów (500 m), 29 Jun. 1991, upland forest: 1 ♂, 2 ♀♀; hosts: *Geometridae*. Holarctic element.
408. *Eupalamus oscillator* WESMAEL, 1859. Andrychów (500 m), 19 Jun. 1991, upland forest: 2 ♂♂, 1 ♀; Krynica (750 m), 12 Aug. 1984, mountain forest: 1 ♂; hosts: *Geometridae*. Holarctic element.
409. *Platylabus virginalis* WESMAEL, 1859. Madohora (920 m), 10 Jun. 1991, mountain mixed forest: 2 ♀♀; Krynica (950 m), 14 Aug. 1984, mountain forest: 1 ♀; hosts: *Geometridae*. Holarctic element.
410. *Platylabops corniculus* WESMAEL, 1859. Trzy Korony (800 m), 6 Jul. 1991, *Carici-Fagetum abietetosum*: 1 ♂, 1 ♀; Krynica (950 m), 16 Aug. 1984, mountain forest: 1 ♀; hosts: *Tortricidae*. Holarctic element.
411. *Aoplus ruficeps* GRAVENHORST, 1829. Chroberz (305 m), 20 Jul. 1987, fresh mixed forest: 1 ♂, 1 ♀; Krynica (950 m), 16 Aug. 1985, mountain forest: 1 ♂; hosts: *Selenia lunaria* DEN. et SCHIFF., *Bupalus piniarius* L., (*Geometridae*). Holarctic element.
412. *Homotherus magus* (WESMAEL, 1844). Kalina Wielka (320 m), 10 Jun. 1986, upland mixed forest: 1 ♂, 1 ♀; Krynica (750 m), 19 Jun. 1986, mountain forest: 2 ♀♀; hosts: *Tortricidae*. Holarctic element.
413. *Crypteffigies tenuicinctus* SCHMIEDEKNECHT, 1933. Madohora (920 m), 24 Jun. 1991, mountain mixed forest: 1 ♀; Krynica (950 m), 27 Jun. 1986, mountain forest: 1 ♀; hosts: *Tortricidae*. Holarctic element.
414. *Crypteffigies albilarvatus* GRAVENHORST, 1829. Trzy Korony (850 m), 11 Sep. 1992, *Phyllitido-Aceretum*: 1 ♂, 1 ♀; hosts: *Noctuidae*. Holarctic element.
415. *Melanichneumon spectabilis* HOLMGREN, 1889. Madohora (920 m), 12 Sep. 1991, mountain mixed forest: 2 ♀♀; Krynica (950 m), 18 Aug. 1984, mountain forest: 1 ♀; hosts: *Noctuidae*, *Arctiidae*. Holarctic element.
416. *Virgichneumon monostagon* GRAVENHORST, 1829. Trzy Korony (600 m), 10 Jul. 1991, *Carici-Fagetum cephalantheretosum* 1 ♂, 2 ♀♀; Krynica (750 m), 24 Jun. 1985, mountain forest: 1 ♂, 1 ♀; hosts: *Archanara sparganii* ESP., *A. geminipuncta* HW. (*Noctuidae*), *Spilosoma lubricipeda* L. (*Arctiidae*). Holarctic element.
417. *Virgichneumon dumeticola* GRAVENHORST, 1829. Bogucice (290 m), 8 Jul. 1987, mixed forest: 1 ♂, 2 ♀♀; Krynica (750 m), 26 Jun. 1985, mountain forest: 1 ♂, 1 ♀; hosts: *Lithosia quadra* L. (*Lithosiidae*), *Panolis flammea* DEN. et SCHIFF. (*Noctuidae*). Holarctic element.
418. *Virgichneumon callicerus* GRAVENHORST, 1829. Kalina Wielka (320 m), 8 Jul. 1987, upland mixed forest: 2 ♀♀; Krynica (750 m), 21 Jun. 1987, mountain forest: 1 ♀; hosts: *Lycaenidae*. Holarctic element.
419. *Barichneumon perigrinator* LINNAEUS, 1758. Chroberz (305 m), 21 Jul. 1991, fresh mixed forest: 1 ♂, 2 ♀♀; Krynica (750 m), 13 Aug. 1984, mountain forest: 1 ♀; hosts: *Geometridae*. Holarctic element.
420. *Barichneumon bilunulatus* GRAVENHORST, 1829. Kołków (290 m), 7 Jul. 1987, upland mixed forest: 1 ♂, 1 ♀; Krynica (750 m), 8 Aug. 1988, mountain mixed forest: 1 ♀; hosts: *Geometridae*. Holarctic element.

421. *Barichneumon plagarius* WESMAEL, 1844. Bogucice (290 m), 8 Jul. 1987, mixed forest: 1 ♂, 1 ♀; Krynica (750 m), 12 Aug. 1987, mountain forest: 1 ♂, hosts: *Semiothisa liturata* CL. (Geometridae), *Panolis flammea* DEN. et SCHIFF. (Noctuidae). Holarctic element.

422. *Stenobarichneumon protervus* (HOLMGREN, 1889). Madohora (920 m), 7 Jul. 1991, mountain mixed forest: 1 ♂, 1 ♀; Krynica (750 m), 22 Aug. 1988, mountain forest: 1 ♀; hosts: Geometridae. Holarctic element.

423. *Vulgichneumon deceptor* GRAVENHORST, 1829. Trzy Korony (800 m), 10 Jul. 1991, *Carici-Fagetum abietetosum*: 1 ♂, 1 ♀; Krynica (950 m), 12 Aug. 1984, mountain forest: 1 ♂; hosts: Noctuidae. Holarctic element.

424. *Syspasis scutellator* GRAVENHORST, 1829. Andrychów (450 m), 29 Jun. 1989, upland forest: 1 ♀; Krynica (750 m), 17 Jun. 1987, mountain forest: 1 ♀; hosts: *Euproctis chrysorrhoea* L. (Lymantriidae), *Abraxas glossulariata* L. (Geometridae), *Panolis flammea* DEN. et SCHIFF. (Noctuidae). Holarctic element.

425. *Syspasis alboguttatus* GRAVENHORST, 1829. Chroberz (305 m), 19 Jul. 1987, fresh mixed forest: 1 ♂, 2 ♀♀; Krynica (750 m), 18 Aug. 1984, mountain forest: 1 ♂; hosts: *Euproctis similis* FUESSLY, *Dasychira pudibunda* L. (Lymantriidae). Holarctic element.

426. *Ichneumon primatorius* FOERSTER, 1876. Trzy Korony (650 m), 10 Jul. 1991, *Tilio-Carpinetum*: 1 ♀; Krynica (950 m), 19 Aug. 1989, mountain forest: 1 ♀; hosts: Arctiidae. Holarctic element.

427. *Ichneumon albiornatus* (TISCHBEIN, 1868). Madohora (920 m), 16 Sep. 1991, mountain mixed forest: 1 ♀; Krynica (950 m), 15 Jul. 1989, mountain mixed forest: 1 ♀; Krynica (950 m), 15 Jul. 1989, mountain forest: 1 ♀; hosts: *Limenitis populi* L., *L. camilla* L. (Nymphalidae). Holarctic element.

428. *Ichneumon leucopeltis* THOMSON, 1873. Trzy Korony (600 m), 6 Jul. 1991, *Carici-Fagetum cephalantheretosum*: 1 ♀; Krynica (750 m), 14 Aug. 1984, mountain forest: 1 ♀; hosts: Nymphalidae. Holarctic element.

429. *Ichneumon balteatus* WESMAEL, 1859. Klonów (385 m), 6 Jul. 1986, upland mixed forest: 2 ♀♀; Krynica (650 m), 16 Aug. 1987, mountain alder carr: 1 ♀; hosts: *Dasychira pudibunda* L. (Lymantriidae), *Melitaea cynxia* L. (Nymphalidae). Holarctic element.

430. *Ichneumon inquinatus* WESMAEL, 1859. Kołków (260 m), 7 Jul. 1987, upland mixed forest: 1 ♀; hosts: *Orthosia incerta* HUFN., *O. gothica* L. (Noctuidae). Holarctic element.

431. *Ichneumon novemalbatus* KRIECHBAUMER, 1901. Madohora (929 m), 9 Jul. 1991, mountain mixed forest: 2 ♀♀; Krynica (950 m), 15 Aug. 1984, mountain forest: 1 ♀; hosts: Noctuidae. Holarctic element.

432. *Ichneumon emancipandus* HEINRICH, 1962. Madohora (920 m), 10 Jul. 1991, mountain mixed forest: 1 ♀; Krynica (790 m), 14 Aug. 1990, mountain forest: 1 ♀; hosts: Noctuidae. Holarctic element.

433. *Ichneumon hinzi* HEINRICH, 1962. Andrychów (500 m), 29 Jun. 1991, upland forest: 1 ♂; Krynica (750 m), 18 Aug. 1984, mountain forest: 1 ♀; hosts: Satyridae. Holarctic element.

434. *Ichneumon exilicornis* WESMAEL, 1859. Madohora (929 m), 9 Aug. 1991, mountain mixed forest: 2 ♀♀; Krynica (950 m), 26 Jun. 1986, mountain forest: 1 ♂; hosts: *Nymphalidae*. Holarctic element.

435. *Ichneumon nereni* (THOMSON, 1896). Bogucice (290 m), 8 Jul. 1987, mixed forest: 1 ♀; Krynica (750 m), 20 Jul. 1985, mountain forest: 1 ♀; hosts: *Argynnis* sp. (*Nymphalidae*), *Satyridae*. Holarctic element.

436. *Stenichneumon militarius* THUNBERG, 1824. Chroberz (305 m), 20 Jul. 1987, fresh mixed forest: 1 ♂, 1 ♀; Krynica (750 m), 17 Aug. 1985, mountain forest: 1 ♀; hosts: *Noctuidae*. Holarctic element.

437. *Patrocloides chalybeatus* GRAVENHORST, 1829. Kalina Wielka (320 m), 10 Jun. 1988, upland mixed forest: 1 ♀; Krynica (750 m), 28 Jul. 1985, mountain forest: 2 ♂♂; hosts: *Nymphalidae*. Holarctic element.

438. *Patrocloides sputator* FABRICIUS, 1804. Trzy Korony (800 m), 10 Jul. 1991, *Carici-Fagetum abietetosum*: 1 ♂, 1 ♀; Krynica (950 m), 24 Jul. 1985, mountain forest: 1 ♀; hosts: *Noctuidae*. Holarctic element.

439. *Excephanes caelebs* KRIECHBAUMER, 1901. Madohora (929 m), 17 Oct. 1991, mountain mixed forest: 1 ♀; hosts: *Noctuidae*. Holarctic element.

440. *Excephanes amabilis* KRIECHBAUMER, 1901. Andrychów (500 m), 10 Jul. 1987, upland forest: 2 ♀♀; Krynica (750 m), 14 Jul. 1985, mountain forest: 1 ♀; hosts: *Noctuidae*. Holarctic element.

441. *Diphyus tricolor* KRIECHBAUMER, 1872. Bogucice (290 m), 8 Jul. 1986, mixed forest: 1 ♀; hosts: *Noctuidae*. Holarctic element.

442. *Diphyus raptorius* (LINNAEUS, 1758). Chroberz (305 m), 12 Jul. 1987, fresh mixed forest: 2 ♀♀; hosts: *Mythima vitellina* HB., *Cirrhia togata* ESP. (*Noctuidae*). Holarctic element.

443. *Diphyus fossorius* (LINNAEUS, 1758). Trzy Korony (850 m), 11 Sep. 1991, *Phyllitido-Aceretum*: 1 ♀; hosts: *Noctuidae*. Holarctic element.

444. *Diphyus luctatorius* (LINNAEUS, 1758). Trzy Korony (800 m), 10 Jul. 1991, *Phyllitido-Aceretum*: 2 ♀♀; Krynica (800 m), 17 Aug. 1985, mountain forest: 1 ♀; hosts: *Noctuidae*. Holarctic element.

445. *Diphyus gradatorius* (THUNBERG, 1784). Madohora (929 m), 9 Jul. 1991, mountain mixed forest: 2 ♀♀; hosts: *Noctuidae*. Holarctic element.

446. *Limerodops elongatus* BRISCHKE, 1894. Klonów (385 m), 6 Jul. 1987, fresh mixed forest: 1 ♀; Krynica (750 m), 14 Aug. 1984, mountain forest: 1 ♀; hosts: *Noctuidae*. Holarctic element.

447. *Ctenichneumon edictorius* (LINNAEUS, 1758). Madohora (920 m), 2 May 1991, mountain mixed forest: 2 ♀♀; Krynica (950 m), 12 Aug. 1985, mountain forest: 1 ♀; hosts: *Noctuidae*. Holarctic element.

448. *Ctenichneumon inspector* WESMAEL, 1859. Kołków (260 m), 7 Jul. 1988, upland mixed forest: 1 ♀; hosts: *Noctuidae*. Holarctic element.

449. *Spilichneumon podolicus* HEINRICH, 1959. Bogucice (290 m), 8 Jul. 1987, mixed forest: 1 ♂, 2 ♀♀; hosts: *Noctuidae*. Holarctic element.
450. *Spilichneumon notatorius* THUNBERG, 1791. Chroberz (305 m), 19 Jul. 1987, fresh mixed forest: 1 ♀; Krynica (750 m), 12 Aug. 1985, mountain forest: 1 ♀; hosts: *Noctuidae*. Holarctic element.
451. *Triptognathus unidentatus* BERTHOUMIEU, 1904. Trzy Korony (800 m), 5 Jul. 1991, *Carici-Fagetum abietetosum*: 2 ♀♀; hosts: *Noctuidae*. Holarctic element.
452. *Coelichneumon desinatorius* (THUNBERG, 1789). Trzy Korony (650 m), 6 Jul. 1991, *Tilio-Carpinetum*: 1 ♀; hosts: *Noctuidae*. Holarctic element.
453. *Coelichneumon leucocerus* (GRAVENHORST, 1829). Chroberz (305 m), 20 Jul. 1987, fresh mixed forest: 1 ♂, 1 ♀; Krynica (750 m), 18 Aug. 1986, mountain forest: 1 ♂; hosts: *Euxoa nigricans* L., *Mamestra persicariae* L. (*Noctuidae*). Holarctic element.
454. *Coelichneumon quadriannulatus* (GRAVENHORST, 1829). Madohora (920 m), 2 May 1991, mountain mixed forest: 1 ♀; Krynica (950 m), 16 Aug. 1985, mountain forest: 1 ♀; hosts: *Noctuidae*. Holarctic element.
455. *Coelichneumon comitator* (LINNAEUS, 1758). Chroberz (305 m), 20 Jul. 1987, fresh mixed forest: 1 ♂, 2 ♀♀; Krynica (750 m), 14 Aug. 1985, mountain forest: 1 ♂; hosts: *Noctuidae*, *Geometridae*. Holarctic element.
456. *Coelichneumon haemorrhoidalis* (GRAVENHORST, 1829). Trzy Korony (800 m), 5 Jul. 1991, *Carici-Fagetum abietetosum*: 2 ♀♀; Krynica (950 m), 17 Aug. 1984, mountain forest: 1 ♀; hosts: *Noctuidae*, *Geometridae*. Holarctic element.
457. *Coelichneumon nigerrimus* (STEPHENS, 1835). Kołków (385 m), 10 Jun. 1986, upland mixed forest: 1 ♀; Krynica (750 m), 14 Aug. 1985, mountain forest: 1 ♂; hosts: *Noctuidae*. Holarctic element.
458. *Protichneumon pisorius* (LINNAEUS, 1758). Bogucice (290 m), 8 Jul. 1987, mixed forest: 1 ♂, 2 ♀♀; Krynica (750 m), 21 Jul. 1984, mountain forest: 1 ♂, 1 ♀; hosts: *Sphinx pinastri* L., *S. ligustri* L., *Laothoe populi* L., *Smerinthus ocellatus* L. (*Sphingidae*). Holarctic element.
459. *Protichneumon fusorius* (LINNAEUS, 1758). Trzy Korony (850 m), 10 Jul. 1991, *Phyllitido-Aceretum*: 1 ♂, 2 ♀♀; Andrychów (500 m), 18 Aug. 1992, upland forest: 1 ♀; Krynica (900 m), 13 Aug. 1990, mountain forest: 1 ♂; hosts: *Sphinx pinastri* L., *Smerinthus ocellatus* L. (*Sphingidae*). Holarctic element.
460. *Amblyjoppa fuscipennis* WESMAEL, 1859. Chroberz (305 m), 21 Jul. 1987, fresh mixed forest: 1 ♂, 2 ♀♀; Madohora (920 m), 10 Aug. 1992, mountain mixed forest: 1 ♀; Krynica (950 m), 12 Aug. 1984, mountain forest: 1 ♂; hosts: *Deilephila elpenor* L., *D. porcellus* L., *Sphinx igustri* L., *Herse convolvuli* L., *Macroglossum stellatarum* L. (*Sphingidae*). Holarctic element.
461. *Calajoppa exaltatoria* (PANZER, 1804). Bogucice (290 m), 8 Jul. 1987, mixed forest: 1 ♂; Chroberz (305 m), 21 Jul. 1988, fresh mixed forest: 1 ♀; Krynica (750 m), 17 Jul. 1985, mountain forest: 1 ♀; hosts: *Sphingidae*. Holarctic element.

462. *Trogus lapidator* FABRICIUS, 1804. Trzy Korony (800 m), 6 Jul. 1991, *Carici-Fagetum abietetosum*: 1 ♂, 1 ♀; Andrychów (430 m), 12 Aug. 1992, upland forest: 1 ♀; Madohora (900 m), 10 Jul. 1992, mountain mixed forest: 1 ♀; Krynica (950 m), 12 Aug. 1984, mountain forest: 1 ♂; hosts: *Papilio machaon* L., *P. alexanor* ESP. (*Papilionidae*). Holarctic element.

III. COMMENTS

During eight years' investigation carried out in a region selected in South Poland, 1910 specimens belonging to 462 species from the family *Ichneumonidae* were collected. They formed 18.5% of the total number of ichneumonidan species known from Poland and belonged to 201 genera from 23 subfamilies of the family *Ichneumonidae*. Out of the 39 ichneumonidan species new to Poland (Table I), the most interesting were those collected in woodland glades in the Pieniny Mts (600-790 m a.s.l.), up to that time known only from very distant regions, namely, *Delomerista laevis*, so far recorded from the Chukchi Pen., Transbaykalia and Sakhalin, *Stilpnus rossicus*, known from the region of Moscow, *Stilbops plementaschi*, reported from the Caucasus and Alps, and *Cymodusa declinator*, noted from Torino. Two interesting species were caught in a fresh mixed forest at Chroberz (305 m a.s.l.) in the Nida Basin: *Netelia tarsata*, hitherto known from the Caucasus Mts., Sakhalin and Kuril Is., and *Triclistus areolatus*, recorded from the Sikhote Alin' Range. It is worth while to give attention also to *Stilpnus fallax*, so far known only from Sweden and Finland, and *Cymodusa antennator*, reported from Mongolia, Siberia and Germany, now found in a mixed mountain forest at Andrychów (850-860 m a.s.l.) as well as to *Metopius dissectorius*, occurring in Sakhalin and the Kherson district and now captured in a fresh mixed forest at Klonów (385 m a.s.l.).

The parasitoid *Hymenoptera* dealt with in the present paper controlled the abundance of the phytophagous insects from 132 families. Until now no host have been known for as many as 185 ichneumonidan species under discussion. During this study new trophic relationships were detected between 10 ichneumons and 13 species of their hosts (Table II). Hosts of the parasitoids *Dolichomitus pterelas*, *D. imperator*, *D. crassiceps* and *Xorides hedwigi* are not given in literature either at home or abroad. A trophic relationship between *D. pterelas* and *Saperda scalaris* was detected in oak deadwood in a woodland near Bogucice on 12 June 1989. In an unciform pupal cradle of the hosts in wood, at a depth of 10 mm, a cocoon was found, from which an imago of *D. pterelas* was raised. A cocoon with an almost completely pigmented ichneumon *D. pterelas* in it was collected from a larval tunnel of *Monochamus sartor* in a withered-up pine in a woodland near Chroberz on 10 July 1985. A year later, on 10 July 1986 ichneumon's cocoon with a pigmented female imago was found in the larval tunnel of a cerambycid in a dry oak not far from the previous site. A trophic relationship between *Dolichomitus crassiceps* and *Xorides hedwigi*, on the one hand, and the cerambycid *Saperda scalaris*, on the other, was detected in a woodland in the Klonów area on 14 July 1987 and in oaks near Kalina Wielka on 8 July 1987. In both these cases the ichneumons' cocoons were in the pupal cradles at a depth of about 2.5 cm. According to MEDVEDEV (1981), *Odontocolon spinipes* is a parasitoid of *Rhagium* sp. That parasitoid species was discovered in pupal cradles of

Table I

List of species new to the fauna of Poland

Number	Species	Formerly recorded localities	Locality in Poland (Geographic region)
1	<i>Dolichomitus mordator</i>	Russia, Primorski Krai, France	Miechów Upland, Beskid Mały Mts.
2	<i>Delomerista laevis</i>	Zabaicale, Sakhalin	Pieniny Mts.
3	<i>Netelia tarsata</i>	Crimea, Caucasus Mts., Armenia, Sakhalin, Kuril	Beskid Sądecki Mts., Wodzisław Ridge
4	<i>Netelia caucasica</i>	Byelorussia, Lithuania, environs of Kiev, Georgia, Kazakhstan, Germany	Miechów Upland, Wodzisław Ridge
5	<i>Ctenochira taiga</i>	Mongolia, Germany	Miechów Upland
6	<i>Erromenus bibulus</i>	Byelorussia, environs of Sanct Petersburg and Moscow	Wójczańsko-Pińczowski Ridge
7	<i>Phygadeuon filipendulae</i>	Germany	Beskid Mały Mts.
8	<i>Stilpnus fallax</i>	Sweden, Finland	Beskid Mały Mts.
9	<i>Stilpnus rossicus</i>	environs of Moscow	Pieniny Mts.
10	<i>Stilbops plementaschi</i>	Caucasus, Alps	Beskid Sądecki Mts., Pieniny Mts.
11	<i>Stilbops robustus</i>	Caucasus	Beskid Sądecki Mts., Beskid Mały Mts.
12	<i>Phradis nigrifulus</i>	Central Europe	Beskid Mały Mts.
13	<i>Tersilochus clypeatus</i>	Slovakia	Beskid Sądecki Mts., Pieniny Mts.
14	<i>Batypiesta carinata</i>	Turkey, Germany	Beskid Sądecki Mts., Beskid Mały Mts.
15	<i>Cymodusa declinator</i>	Torino	Beskid Sądecki Mts., Pieniny Mts.
16	<i>Cymodusa antennator</i>	Mongolia, Siberia, Germany	Beskid Mały Mts.
17	<i>Nemeritis major</i>	Hungary, Tunisia, Chile	Beskid Mały Mts.
18	<i>Nemeritis specularis</i>	Germany, Chile	Miechów Upland

Table I ctd.

19	<i>Diadegma flexa</i>	Germany	Wodzisław Ridge
20	<i>Diadegma germanica</i>	Germany, France	Pieniny Mts.
21	<i>Diadegma glabricula</i>	Europe, Canada	Beskid Mały Mts.
22	<i>Diadegma rufigaster</i>	Germany	Pieniny Mts.
23	<i>Metopius dissectorius</i>	Sakhalin, Chersonian region	Beskid Sądecki Mts., Miechów Upland, Pieniny Mts.
24	<i>Atrometus insignis</i>	Hungary, England, Morocco	Beskid Mały Mts., Pieniny Mts.
25	<i>Triclistus areolatus</i>	the Sichte-Alin Mts., western Europe	Beskid Sądecki Mts., Wodzisław Ridge
26	<i>Triclistus spiracularis</i>	the Sichte-Alin Mts., western Europe	Beskid Mały Mts., Beskid Sądecki Mts.
27	<i>Triclistus aethiops</i>	northern Europe, central Europe	Beskid Mały Mts.
28	<i>Periope longiceps</i>	Japan, Kamchatka, Black Forest Mts.	Miechów Upland
29	<i>Apolophus borealis</i>	Germany, northern America	Beskid Sądecki Mts., the Beskid Mały Mts.
30	<i>Ischyrocnemis quadridens</i>	Moldavia, central Europe	Pieniny Mts.
31	<i>Lapton femoralis</i>	central Europe	Pieniny Mts.
32	<i>Exochus pictus</i>	western Europe, northern America	Beskid Mały Mts.
33	<i>Asiophroma pictum</i>	Hungary, Germany, Roumania	Pieniny Mts.
34	<i>Exochus separandus</i>	central Europe	Wodzisław Ridge
35	<i>Herpestomus phaeocerus</i>	Belgium, Germany, Roumania	Pieniny Mts.
36	<i>Stenodontus biguttatus</i>	central Europe, southern Europe, northern Africa	Beskid Sądecki Mts., Sandomierska Hollow
37	<i>Diadromus albinotatus</i>	Sweden, western England, Germany, Roumania	Miechów Upland
38	<i>Aethecerus nitidus</i>	Russia, central Europe, England, Roumania	Beskid Small Mts., Wodzisław Ridge, Wójczańsko-Pińczowski Ridge
39	<i>Baeosemus mitigosus</i>	Roumania, central Europe, northern Europe	Beskid Sądecki Mts., Beskid Mały Mts., Pieniny Mts.

Table II

The new trophic relations between *Ichneumonidae* and their hosts

Parasitoid	Host
<i>Dolichomitus pterelas</i>	<i>Saperda scalaris</i> , <i>Monochamus sartor</i>
<i>Dolichomitus imperator</i>	<i>Phymatodes testaceus</i>
<i>Dolichomitus crassiceps</i>	<i>Saperda scalaris</i>
<i>Odontocolon spinipes</i>	<i>Rhagium inquisitor</i> , <i>Rhagium sycophanta</i>
<i>Xorides hedwigi</i>	<i>Saperda scalaris</i>
<i>Xorides praecatorius</i>	<i>Agrilus viridis</i>
<i>Xorides securicornis</i>	<i>Phymatodes testaceus</i>
<i>Xorides irrigator</i>	<i>Acanthocinus aedilis</i>
<i>Coleocentrus caligatus</i>	<i>Callidium aeneum</i> , <i>Callidium violaceum</i>
<i>Coleocentrus excitator</i>	<i>Monochamus sutor</i>

Rhagium inquisitor in spruces and in a pupal cradle of *Rhagium sycophanta* in a birch in a mixed mountain forest near Andrychów on 6 July 1989. So far the buprestid *Agrilus viridis* has not been recorded as the host of *Xorides praecatorius*, which now was found in a larval tunnel of *Agrilus viridis* under the bark of a poplar near Klonów on 12 June 1990. The ichneumon *Xorides securicornis* has hitherto been known as a parasitoid of species from the families *Bostrychidae* and *Anobiidae* (MEDVEDEV 1981). In examining some oak deadwood in a woodland near Kołków, I came upon a cocoon encasing an unpigmented female imago of *Xorides securiformes* in a pupal cradle of *Phymatodes testaceus* on 5 June 1987. The ichneumon *Xorides irrigator* was discovered in a pupal cradle of *Acanthocinus aedilis* in pine deadwood in a woodland near Kołków on 7 June 1990. I found a pigmented male *Coleocentrus caligatus* in the pupal cradle of *Callidium aeneum* in a lying fir trunk at Bogucice on 8 June 1987. This is a new trophic relationship, never mentioned in literature before. In another, standing and unbarked fir, above 10 m apart, I uncovered a female parasitoid *Coleocentrus caligatus* in an unciform cradle made in wood by a larva of *Callidium violaceum*. On 21 July 1987 I found an almost completely pigmented female *Coleocentrus excitator* in the pupal cradle made a larva of *Monochamus sutor* in a lying trunk of the common pine. That was a trophic relation also observed for the first time.

Each of the plant communities under investigation had a distinct ichneumonid fauna. The main agent inducing the differentiation of the parasitoid Hymenopteran population was the fauna of host species, which in turn depended on the species composition of the plant community. The species composition of the ichneumonids is largely influenced by the availability of food for imagines and by the occurrence of predators – birds and insects, parasitoids of higher orders, kleptoparasitoids, old trees left lying and providing winter shelters, etc.

The ichneumonids captured in the study area have been included in the following 11 zoogeographical groups according to the criteria given by MEDVEDEV(1981) and PA-

WŁOWSKI (1967): European element – 178 species, Holarctic – 140, Euro-Siberian – 51, Palaearctic – 50, Euro-Caucasian – 29, Euro-Asiatic – 7, Mountainous – 3, Boreal-mountainous – 2, Cosmopolitan – 2 each and Subpontic and Subpontomediterranean – 1 species each.

The zoogeographical structure of the ichneumonidan fauna of the selected plant communities is presented in Fig. 2. Three groups of species can be distinguished in this fauna. The European and Holarctic elements occurred in all plant communities examined. The proportion of either of these elements ranged from 14.7 to 54%. Fairly large was the proportion of the species included in the Palaearctic and Euro-Siberian elements, which species were constant constituents in the ichneumonidan fauna (up to 26.5%), whereas the remaining elements distinguished, i.e. the Euro-Caucasian, Euro-Asiatic, Mountainous, Subpontomediterranean, Cosmopolitan and Boreal-mountainous elements were represented by small numbers of ichneumonids and appeared only in some of the plant communities. The proportion of each of these elements varied from 0 to 2.9%.

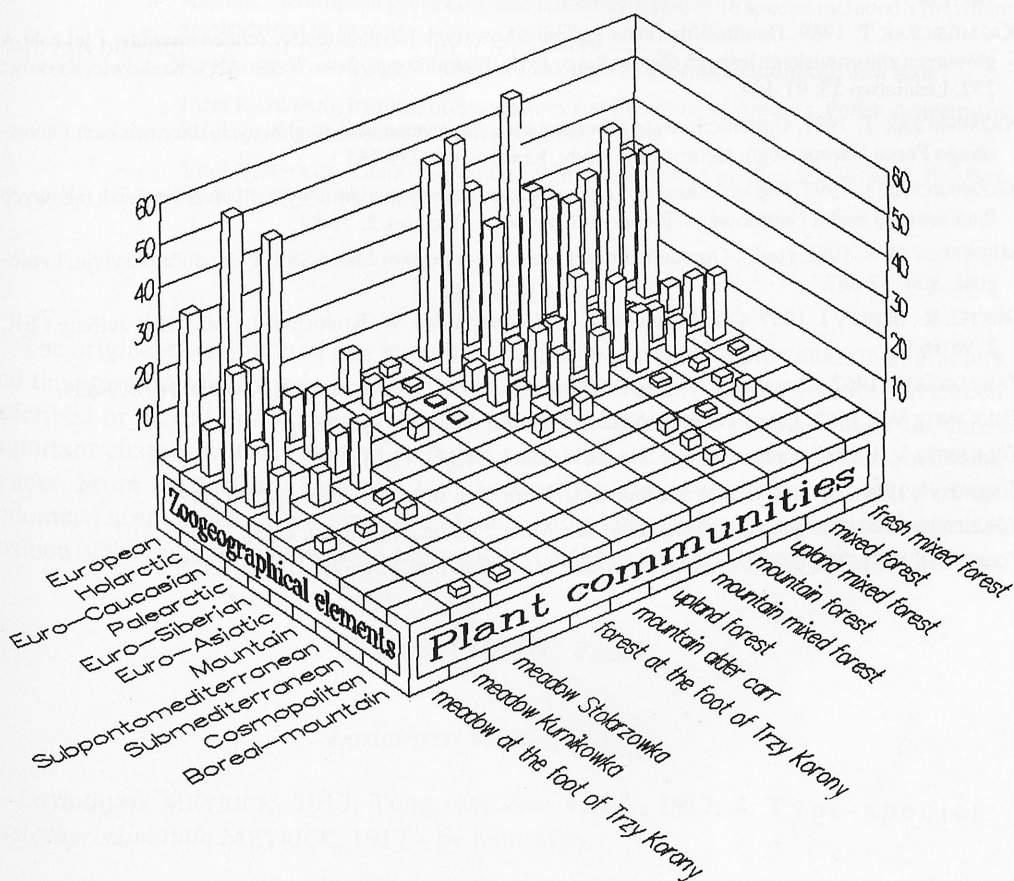


Fig. 2. Zoogeographical structure of the ichneumonidan fauna in the selected plant communities (in percentages).

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